

# Converting Colors

XYZ(78.3153, 82.0173, 88.3458)

Have a look what the booklet for  
XYZ(78.3153, 82.0173, 88.3458)  
contains.

<b>XYZ(78.2965, 81.9369, 88.0327)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(78.2965, 81.9369,  
88.0327)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECE9E8
RGB	236, 233, 232
RGB Percent	93%, 91%, 91%
CMY	0.0745, 0.0863, 0.0902
CMYK	0.00, 0.01, 0.02, 0.07
HSL	15°, 10%, 92%
HSV	15°, 2%, 93%
XYZ	78.2965, 81.9369, 88.0327
YIQ	233.7830, 2.1090, 0.3250

# Conversions

## Conversions Part 2

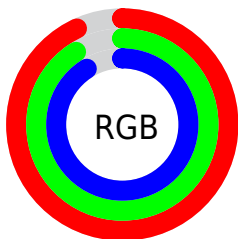
Format	Color
R <sub>Y</sub> B	236, 233, 232
Decimal	15526376
CIE Lab	92.55, 0.84, 0.83
CIE LCh	93, 1.178, 44.835
Yxy	81.9369, 0.3154, 0.3300
Android (android.graphics.Color)	4293716456 (0xFFECE9E8)
YUV	233.7830, -0.8790, 1.9443
Hunter-Lab	90.5190, -4.0106, 5.7018

# Details

The XYZ color **78.2965, 81.9369, 88.0327** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.1274, 82.6276, 91.1890**, and the grayscale version is **78.0500, 82.1146, 89.4228**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3810, 44.2822, 47.3879** is the 20% darker color. If you saturate the color by 10%, you get **70.4115, 71.1756, 69.9610**, and if you desaturate by 10%, it is **87.0406, 93.8491, 108.1349**.

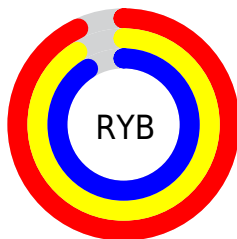
# Distribution



Red (93%)

Green (91%)

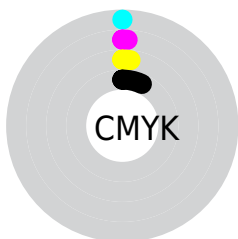
Blue (91%)



Red (93%)

Yellow (91%)

Blue (91%)

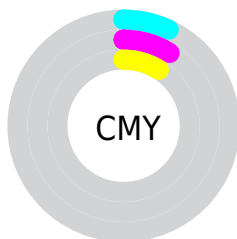


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (7%)



Cyan (7%)

Magenta (9%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2965, 81.9369, 88.0327 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 78.2965, 81.9369, 88.0327 by changing the saturation by 10% instead.



■ 78.2965, 81.9369,  
88.0327

■ 78.2965, 81.9369,  
88.0327

477.9976,  
501.4366, 542.0144

■ 58.6212, 61.3135,  
65.7857

129.9312,  
136.0855, 146.5142

■ 42.5535, 44.4782,  
47.6430

162.6212,  
170.3795, 183.5858

■ 29.7279, 31.0467,  
33.1863

200.3803,  
209.9992, 226.4359

■ 19.7792, 20.6344,  
21.9969

243.5737,  
255.3290, 275.4832

■ 12.3420, 12.8570,  
13.6563

292.5668,  
306.7532, 331.1462

■ 7.0509, 7.3302,  
7.7460

347.7249,

■ 3.5406, 3.6694,

364.6563, 393.8433

3.8474

409.4134,  
429.4226, 463.9932

■ 1.4456, 1.4904,  
1.5420

■ 0.2884, 0.2820,  
0.2489

■ 78.2965, 81.9369,  
88.0327

■ 78.2965, 81.9369,  
88.0327

■ 70.4115, 71.1756,  
69.9610

■ 87.0406, 93.8491,  
108.1349

■ 63.4433, 61.5570,  
54.3269

■ 88.4026, 96.5731,  
108.5889

■ 57.3597, 53.0462,  
41.0271

■ 52.1243, 45.6028,  
29.9486

■ 47.6977, 39.1837,  
20.9691

■ 44.0376, 33.7430,  
13.9545

■ 41.0972, 29.2308,  
8.7549

■ 38.8243, 25.5930,  
5.1985

■ 37.1585, 22.7686,  
3.0796

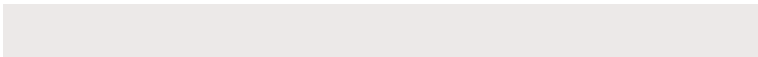
# Harmonies

## Analogous

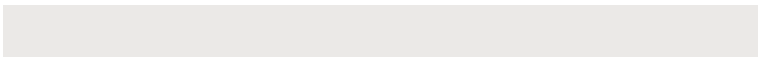
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4486, 81.9369, 88.7847



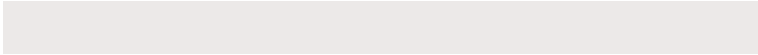
78.2965, 81.9369, 88.0327



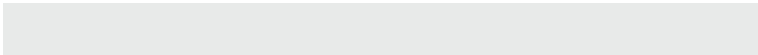
78.0326, 81.9369, 87.5990

# Triad

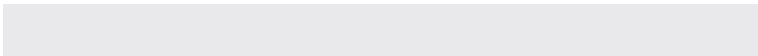
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2965, 81.9369, 88.0327



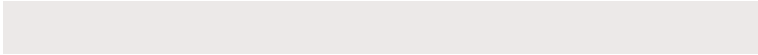
77.3121, 81.9369, 88.7753



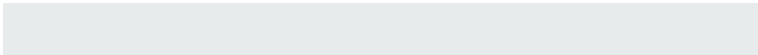
78.0293, 81.9369, 90.8540

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



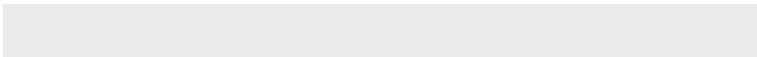
78.2965, 81.9369, 88.0327



78.1274, 82.6276, 91.1890

# Split Complementary

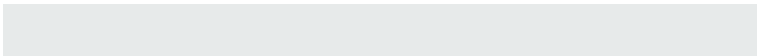
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7248, 81.9369, 90.8514



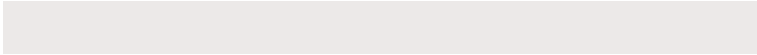
78.2965, 81.9369, 88.0327



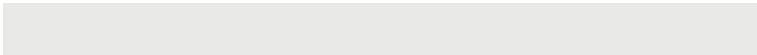
77.3113, 81.9369, 89.6474

# Square

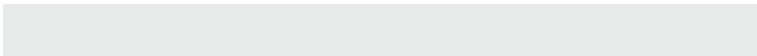
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



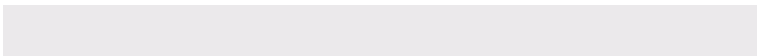
78.2965, 81.9369, 88.0327



77.4645, 81.9369, 88.0259



77.4621, 81.9369, 90.4086

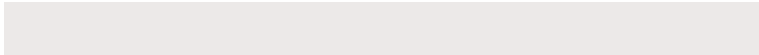


78.2941, 81.9369, 90.4155



# Rectangle

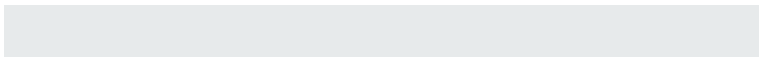
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



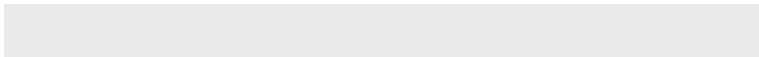
78.2965, 81.9369, 88.0327



77.8290, 81.9369, 87.5470



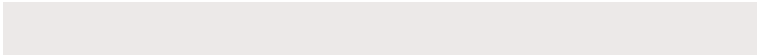
77.4621, 81.9369, 90.4086



77.9282, 81.9369, 90.9048

# Sweetspot

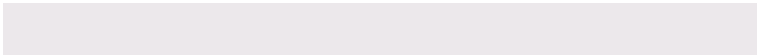
The Sweet Spot groups the original color and five complimentary colors.



78.2988, 81.9404, 88.0345



94.0358, 98.6243, 106.5500



78.4453, 81.5456, 90.2038



20.1382, 21.1242, 22.8308



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

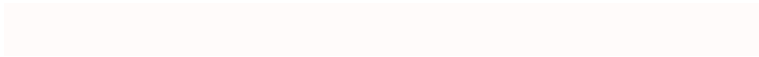


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2988, 81.9404, 88.0345



93.0331, 97.2628, 104.2305



78.8671, 83.0770, 88.2239



16.6612, 17.4251, 18.6910



20.0232, 11.7406, 1.2108

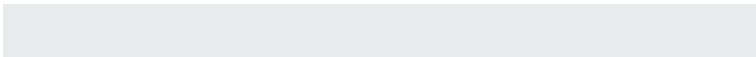


1.6469, 1.0711, 0.1199



# Inverse Universe

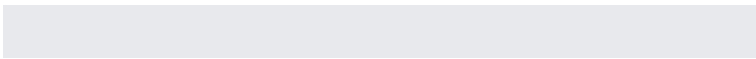
The Inverse Universe completely reimagines the original color for something new.



78.1274, 82.6276, 91.1890



92.7915, 98.2315, 108.6777



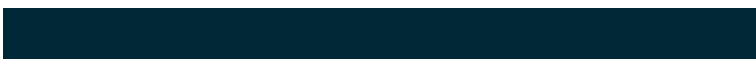
77.5592, 81.4911, 90.9996



16.6204, 17.5885, 19.4412



17.0945, 20.8361, 46.8638

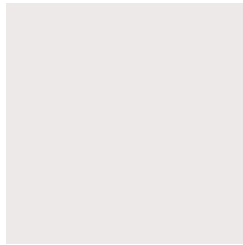


1.4178, 1.7871, 3.7051



# Previews

## White Background



This preview shows how the XYZ color 78.2965, 81.9369, 88.0327 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

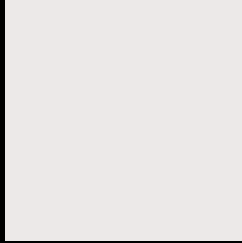
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.2965, 81.9369, 88.0327 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

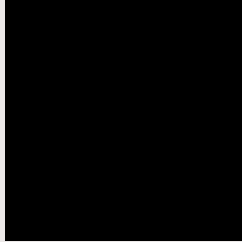
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

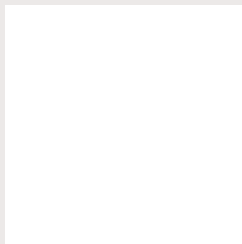
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.2965, 81.9369, 88.0327**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.2965, 81.9369, 88.0327.



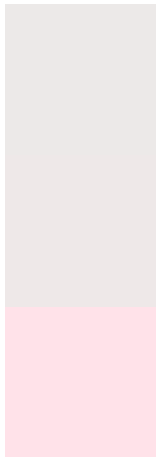
This preview shows how white text looks on a background with the XYZ color 78.2965, 81.9369,

88.0327.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

78.2965, 81.9369, 88.0327

### Protanopia

78.6820, 81.7166, 87.9698

### Deuteranopia

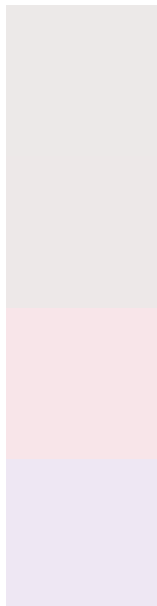
83.1443, 81.5359, 88.4466



## Tritanopia

80.9923, 81.7839, 101.1397

# Trichromacy



## Original Color

78.2965, 81.9369, 88.0327

## Protanomaly

78.3472, 81.5439, 87.9541

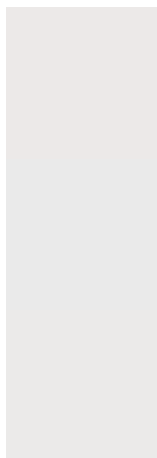
## Deuteranomaly

81.4387, 81.8783, 88.6026

## Tritanomaly

80.0135, 81.8000, 96.3658

# Monochromacy



## Original Color

78.2965, 81.9369, 88.0327

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

78.3917, 82.3910, 88.8622

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.2965, 81.9369, 88.0327 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(236, 233, 232) looks like.

```
.text, #text, p{  
    color:rgb(236, 233, 232)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 233, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 233, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 78.2965, 81.9369, 88.0327 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 233, 232) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(236, 233, 232) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 233, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 233, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 233, 232);  
box-shadow:4px 4px 4px 4px rgb(236, 233,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.2965, 81.9369, 88.0327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 233, 232) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236,  
233, 232) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor