

# Converting Colors

XYZ(76.8034, 81.4063, 82.6753)

Have a look what the booklet for  
XYZ(76.8034, 81.4063, 82.6753)  
contains.

<b>XYZ(76.6612, 81.2065, 82.8681)</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(76.6612, 81.2065,  
82.8681)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE9E1
RGB	234, 233, 225
RGB Percent	92%, 91%, 88%
CMY	0.0823, 0.0863, 0.1176
CMYK	0.00, 0.00, 0.04, 0.08
HSL	53°, 18%, 90%
HSV	53°, 4%, 92%
XYZ	76.6612, 81.2065, 82.8681
YIQ	232.3870, 3.1640, -2.2760

# Conversions

## Conversions Part 2

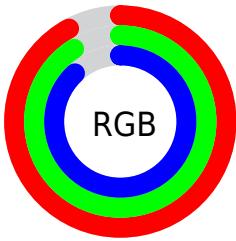
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 234, 225
Decimal	15395297
CIE Lab	92.22, -1.06, 3.99
CIE LCh	92, 4.128, 104.828
Yxy	81.2065, 0.3184, 0.3373
Android (android.graphics.Color)	4293585377 (0xFFEAE9E1)
YUV	232.3870, -3.6418, 1.4146
Hunter-Lab	90.1146, -5.8494, 8.5580

# Details

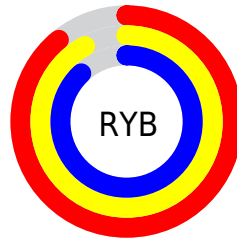
The XYZ color **76.6612, 81.2065, 82.8681** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.0990, 76.3397, 88.7252**, and the grayscale version is **77.0184, 81.0293, 88.2409**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3379, 43.8115, 44.3079** is the 20% darker color. If you saturate the color by 10%, you get **72.9586, 78.5640, 66.9491**, and if you desaturate by 10%, it is **80.8166, 84.0526, 101.0984**.

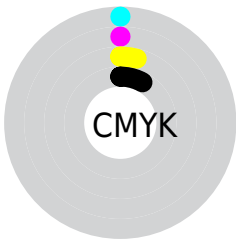
# Distribution



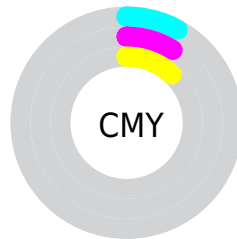
- Red (92%)
- Green (91%)
- Blue (88%)



- Red (89%)
- Yellow (92%)
- Blue (88%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6612, 81.2065, 82.8681 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 76.6612, 81.2065, 82.8681 by changing the saturation by 10% instead.



■ 76.6612, 81.2065,  
82.8681

■ 76.6612, 81.2065,  
82.8681

472.5178,  
498.9896, 524.5063

■ 57.2738, 60.7117,  
61.5414

127.6365,  
135.0607, 139.2383

■ 41.4661, 43.9925,  
44.2288

159.9551,  
169.1888, 175.1188

■ 28.8727, 30.6646,  
30.5119

197.3149,  
208.6302, 216.6877

■ 19.1284, 20.3436,  
19.9721

240.0811,  
253.7693, 264.3635

■ 11.8676, 12.6451,  
12.1909

288.6191,  
304.9903, 318.5647

■ 6.7252, 7.1846,  
6.7497

343.2943,

■ 3.3356, 3.5778,

362.6778, 379.7099

3.2300

404.4721,  
427.2161, 448.2176

■ 1.3336, 1.4403,  
1.2132

■ 0.2082, 0.2462,  
0.0000

■ 76.6612, 81.2065,  
82.8681

■ 76.6612, 81.2065,  
82.8681

■ 72.9586, 78.5640,  
66.9491

■ 80.8166, 84.0526,  
101.0984

■ 69.6844, 76.1074,  
53.2430

■ 82.6100, 85.9685,  
106.8473

■ 66.8218, 73.8324,  
41.6521

■ 83.3700, 87.4884,  
107.1006

■ 64.3505, 71.7310,  
32.0694

■ 84.1408, 89.0300,  
107.3576

62.2483, 69.7942,  
24.3784

84.9226, 90.5935,  
107.6181

60.4909, 68.0121,  
18.4509

85.7153, 92.1790,  
107.8824

59.0508, 66.3736,  
14.1424

86.5191, 93.7865,  
108.1503

57.8961, 64.8661,  
11.2858

87.3339, 95.4162,  
108.4219

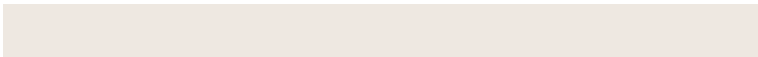
56.9883, 63.4738,  
9.6779

87.7421, 96.2326,  
108.5580

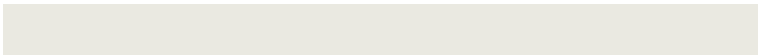
# Harmonies

## Analogous

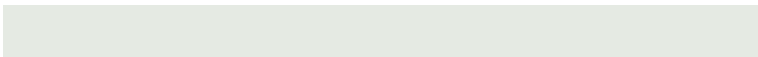
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7218, 81.2065, 82.8769



76.6612, 81.2065, 82.8681



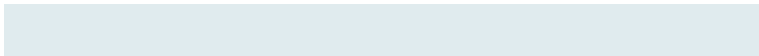
75.7489, 81.2065, 84.3234

# Triad

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



76.6612, 81.2065, 82.8681



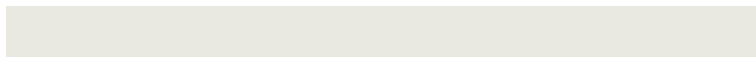
75.7403, 81.2065, 92.6216



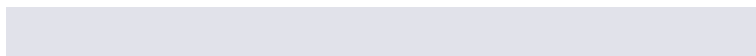
79.1787, 81.2065, 89.9647

# Complementary

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



76.6612, 81.2065, 82.8681



73.0990, 76.3397, 88.7252

# Split Complementary

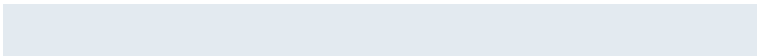
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6378, 81.2065, 92.6473



76.6612, 81.2065, 82.8681



76.6493, 81.2065, 94.2051

# Square

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



76.6612, 81.2065, 82.8681



75.2206, 81.2065, 89.9302



77.7099, 81.2065, 94.2146



79.1820, 81.2065, 86.9269



# Rectangle

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



76.6612, 81.2065, 82.8681



75.3449, 81.2065, 85.9476



77.7099, 81.2065, 94.2146



79.0535, 81.2065, 90.9395

# Sweetspot

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



76.6635, 81.2100, 82.8699



94.5522, 99.6570, 106.7221



74.5923, 76.8378, 82.8884



20.2433, 21.3343, 22.8659



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

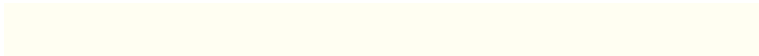


# Same Dimension

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



76.6635, 81.2100, 82.8699



92.6163, 98.3092, 98.2956



75.8244, 81.1971, 82.9116



16.5109, 17.5456, 17.3432



31.8162, 35.3266, 5.1418



2.5390, 2.8553, 0.4173



# Inverse Universe

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



73.0990, 76.3397, 88.7252



87.0025, 90.6388, 107.5173



73.9155, 76.3598, 88.6860



15.3805, 16.0010, 19.2001



8.5963, 3.8396, 44.0310

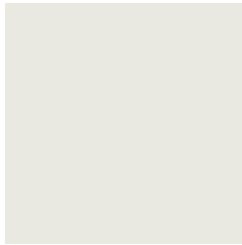


0.7196, 0.3907, 3.4724



# Previews

## White Background



This preview shows how the XYZ color 76.6612, 81.2065, 82.8681 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

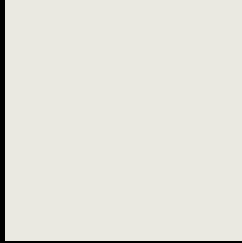
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6612, 81.2065, 82.8681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

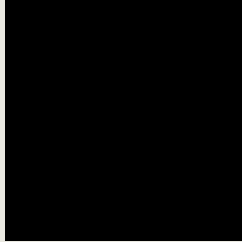
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

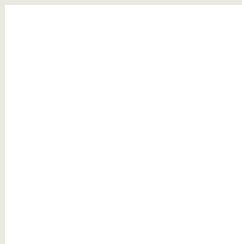
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.6612, 81.2065, 82.8681

## Background



This preview shows how black text looks on a background with the XYZ color 76.6612, 81.2065, 82.8681.



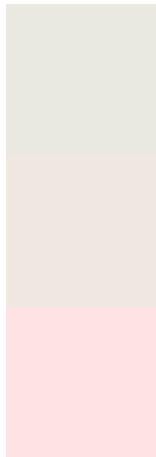
This preview shows how white text looks on a background with the XYZ color 76.6612, 81.2065,

82.8681.

# 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

76.6612, 81.2065, 82.8681

### Protanopia

77.9078, 81.4458, 82.1354

### Deuteranopia

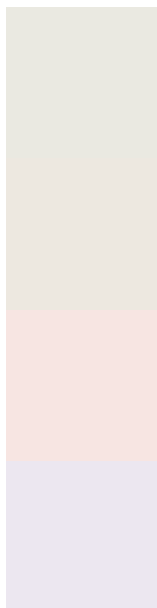
82.3015, 81.1988, 84.0082



## Tritanopia

80.1651, 81.3755, 100.2888

# Trichromacy



## Original Color

76.6612, 81.2065, 82.8681

## Protanomaly

77.2362, 81.0996, 82.1040

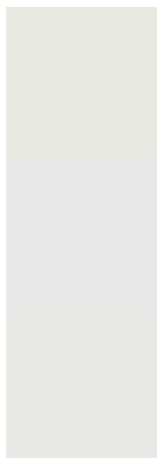
## Deuteranomaly

80.1046, 81.3038, 83.4227

## Tritanomaly

78.8962, 81.2760, 93.9676

# Monochromacy



## Original Color

76.6612, 81.2065, 82.8681

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.6037, 80.6940, 85.6668

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6612, 81.2065, 82.8681 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(234, 233, 225) looks like.

```
.text, #text, p{  
    color:rgb(234, 233, 225)  
}
```

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(234, 233, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 233, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6612, 81.2065, 82.8681 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(234, 233, 225) }
```



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

```
.border{ border-color:rgb(234, 233, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 233, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 233, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 233, 225);  
box-shadow:4px 4px 4px 4px rgb(234, 233,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6612, 81.2065, 82.8681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 233, 225) }
```

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

```
.background{ background-color: rgb(234,  
233, 225) }
```

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