

Converting Colors

XYZ(77.7758, 81.4321, 88.8786)

Have a look what the booklet for
XYZ(77.7758, 81.4321, 88.8786)
contains.

XYZ(77.4963, 81.0888, 88.6580)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(77.4963, 81.0888,
88.6580)**

Conversions

Conversions Part 1

Format	Color
Hex	EAE8E9
RGB	234, 232, 233
RGB Percent	92%, 91%, 91%
CMY	0.0823, 0.0902, 0.0863
CMYK	0.00, 0.01, 0.00, 0.08
HSL	330°, 5%, 91%
HSV	330°, 1%, 92%
XYZ	77.4963, 81.0888, 88.6580
YIQ	232.7120, 0.8710, 0.7350

Conversions

Conversions Part 2

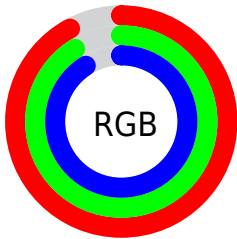
Format	Color
R_{YB}	234, 232, 233
Decimal	15395049
CIE Lab	92.17, 0.85, -0.26
CIE LCh	92, 0.891, 343.210
Yxy	81.0888, 0.3134, 0.3280
Android (android.graphics.Color)	4293585129 (0xFFEAE8E9)
YUV	232.7120, 0.1420, 1.1296
Hunter-Lab	90.0493, -3.9695, 4.6606

Details

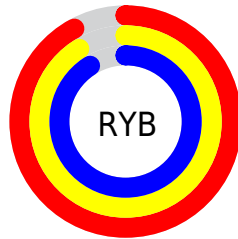
The XYZ color **77.4963, 81.0888, 88.6580** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.4126, 81.8868, 88.8206**, and the grayscale version is **77.2361, 81.2583, 88.4903**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8212, 43.6900, 47.8238** is the 20% darker color. If you saturate the color by 10%, you get **69.7243, 68.1355, 78.0780**, and if you desaturate by 10%, it is **86.1317, 95.5885, 100.0768**.

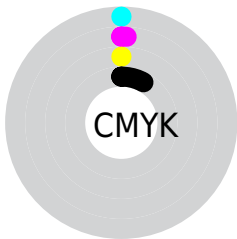
Distribution



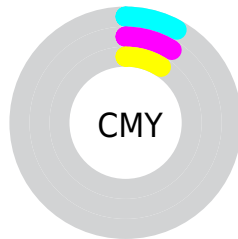
- Red (92%)
- Green (91%)
- Blue (91%)



- Red (92%)
- Yellow (91%)
- Blue (91%)



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4963, 81.0888, 88.6580 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 77.4963, 81.0888, 88.6580 by changing the saturation by 10% instead.

■ 77.4963, 81.0888,
88.6580

■ 77.4963, 81.0888,
88.6580

475.3205,
498.5946, 544.1127

■ 57.9616, 60.6147,
66.3007

128.8089,
134.8954, 147.3921

■ 42.0210, 43.9143,
48.0585

161.3177,
168.9968, 184.6059

■ 29.3089, 30.6032,
33.5129

198.8817,
208.4094, 227.6091

■ 19.4601, 20.2969,
22.2453

241.8666,
253.5176, 276.8200

■ 12.1092, 12.6110,
13.8372

290.6375,
304.7059, 332.6573

■ 6.8908, 7.1612,
7.8701

345.5599,

■ 3.4396, 3.5631,

362.3585, 395.5395

3.9254

406.9992,
426.8600, 465.8851

■ 1.3903, 1.4323,
1.5845

■ 0.2493, 0.2404,
0.2797

■ 77.4963, 81.0888,
88.6580

■ 77.4963, 81.0888,
88.6580

■ 69.7243, 68.1355,
78.0780

■ 86.1317, 95.5885,
100.0768

■ 62.9017, 56.9075,
68.3518

■ 87.7422, 96.2327,
108.5580

■ 56.9920, 47.3342,
59.4574

■ 51.9535, 39.3359,
51.3697

■ 47.7412, 32.8263,
44.0621

■ 44.3059, 27.7109,
37.5060

■ 41.5928, 23.8841,
31.6707

■ 39.5393, 21.2250,
26.5223

■ 38.0710, 19.5892,
22.0225

Harmonies

Analogous

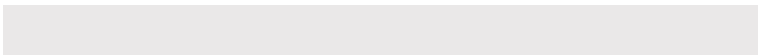
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3754, 81.0888, 89.2175



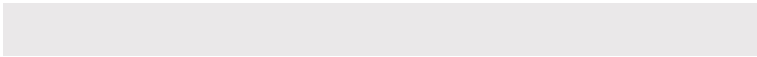
77.4963, 81.0888, 88.6580



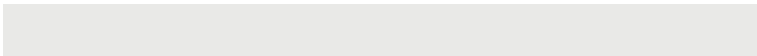
77.5035, 81.0888, 88.0030

Triad

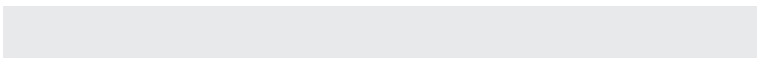
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4963, 81.0888, 88.6580



76.9715, 81.0888, 87.0656



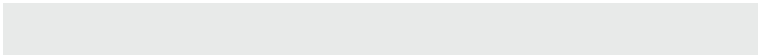
76.7508, 81.0888, 89.1612

Complementary

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



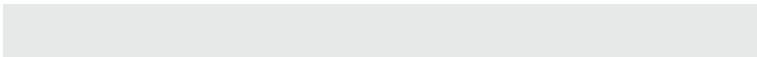
77.4963, 81.0888, 88.6580



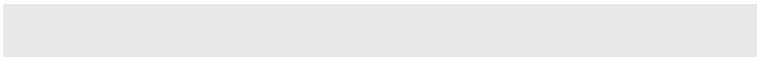
77.4126, 81.8868, 88.8206

Split Complementary

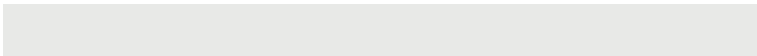
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6431, 81.0888, 88.5814



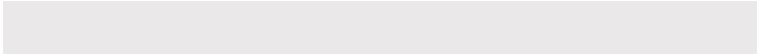
77.4963, 81.0888, 88.6580



76.7703, 81.0888, 87.3727

Square

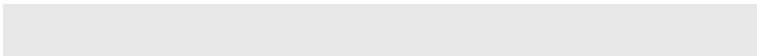
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



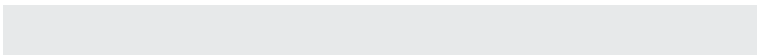
77.4963, 81.0888, 88.6580



77.2002, 81.0888, 87.0859



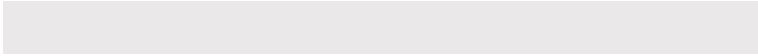
76.6502, 81.0888, 87.9268



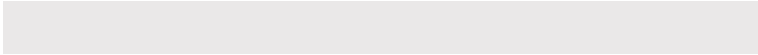
76.9449, 81.0888, 89.5091

Rectangle

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



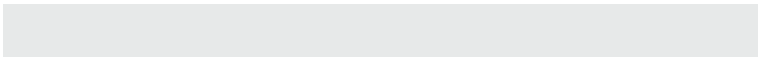
77.4963, 81.0888, 88.6580



77.4428, 81.0888, 87.6006



76.6502, 81.0888, 87.9268



76.7033, 81.0888, 88.9869

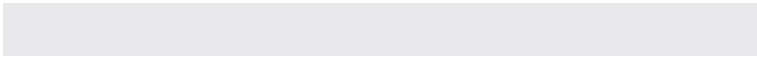
Sweetspot

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



77.4986, 81.0923, 88.6598

95.0500, 100.0000, 108.9000



77.3151, 80.9811, 89.3992



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

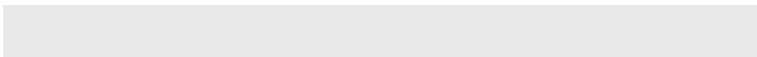
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4986, 81.0923, 88.6598



94.0369, 98.3018, 107.5510



77.3567, 81.0355, 87.9123



16.8305, 17.6004, 19.2512



20.9281, 10.5739, 10.6885



1.6919, 0.8497, 1.0950

Inverse Universe

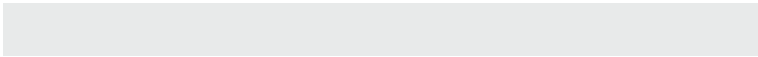
The Inverse Universe completely reimagines the original color for something new.



77.4986, 81.0923, 88.6598



94.0369, 98.3018, 107.5510



77.5553, 81.9439, 89.5723



16.8305, 17.6004, 19.2512



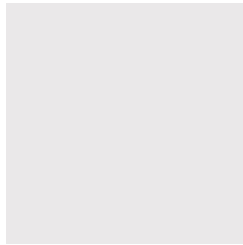
20.9281, 10.5739, 10.6885



1.6919, 0.8497, 1.0950

Previews

White Background



This preview shows how the XYZ color 77.4963, 81.0888, 88.6580 looks on a white background.

Color Contrast Check

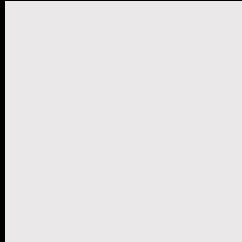
Large Text (above 18pt) WCAG AA × Fail

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 77.4963, 81.0888, 88.6580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

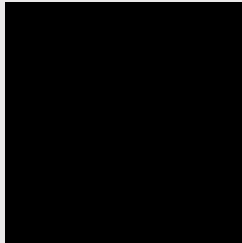
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

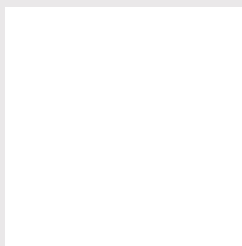
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4963, 81.0888, 88.6580

Background



This preview shows how black text looks on a background with the XYZ color 77.4963, 81.0888, 88.6580.



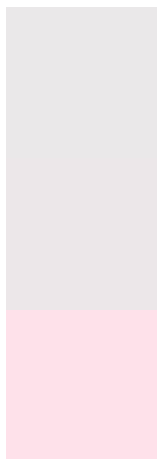
This preview shows how white text looks on a background with the XYZ color 77.4963, 81.0888,

88.6580.

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

77.4963, 81.0888, 88.6580

Protanopia

77.8760, 80.8679, 88.5954

Deuteranopia

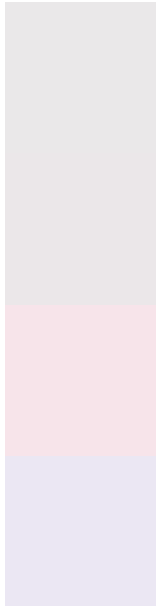
82.6495, 80.8618, 89.0937



Tritanopia

79.8322, 81.2038, 100.2732

Trichromacy



Original Color

77.4963, 81.0888, 88.6580

Protanomaly

77.5448, 80.6972, 88.5799

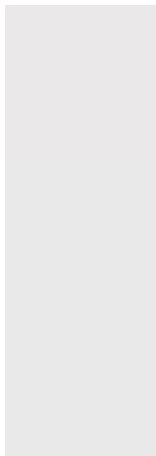
Deuteranomaly

80.9525, 81.2015, 89.2487

Tritanomaly

79.0145, 81.2851, 96.3191

Monochromacy



Original Color

77.4963, 81.0888, 88.6580

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.4512, 81.4847, 88.7368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4963, 81.0888, 88.6580 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, 232, 233) looks like.

```
.text, #text, p{  
    color:rgb(234, 232, 233)  
}
```

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, 232, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 232, 233) }
```

Border

The CSS property to change the border of an element to XYZ 77.4963, 81.0888, 88.6580 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, 232, 233) }
```

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

```
.border{ border-color:rgb(234, 232, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 232, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 232, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 232, 233);  
box-shadow:4px 4px 4px 4px rgb(234, 232,  
233) }
```


Background

The CSS property to change the background color of an element to XYZ 77.4963, 81.0888, 88.6580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 232, 233) }
```

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

```
.background{ background-color: rgb(234,  
232, 233) }
```

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