

Converting Colors

XYZ(80.8008, 83.7960, 88.2988)

Have a look what the booklet for
XYZ(80.8008, 83.7960, 88.2988)
contains.

XYZ(80.6063, 83.5491, 88.2221)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.6063, 83.5491,
88.2221)**

Conversions

Conversions Part 1

Format	Color
Hex	F2EAE8
RGB	242, 234, 232
RGB Percent	95%, 92%, 91%
CMY	0.0510, 0.0823, 0.0902
CMYK	0.00, 0.03, 0.04, 0.05
HSL	12°, 28%, 93%
HSV	12°, 4%, 95%
XYZ	80.6063, 83.5491, 88.2221
YIQ	236.1640, 5.4100, 1.0740

Conversions

Conversions Part 2

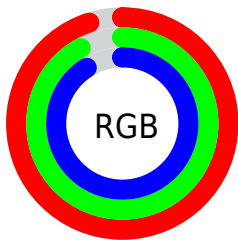
Format	Color
R _Y B	242, 235, 232
Decimal	15919848
CIE Lab	93.25, 2.35, 1.92
CIE LCh	93, 3.033, 39.186
Yxy	83.5491, 0.3194, 0.3310
Android (android.graphics.Color)	4294109928 (0xFF2EAE8)
YUV	236.1640, -2.0529, 5.1182
Hunter-Lab	91.4052, -2.5476, 6.7584

Details

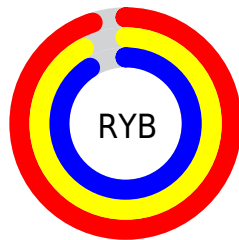
The XYZ color **80.6063, 83.5491, 88.2221** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.4658, 85.8856, 96.3422**, and the grayscale version is **79.8688, 84.0282, 91.5067**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0066, 45.4145, 47.5208** is the 20% darker color. If you saturate the color by 10%, you get **72.1921, 71.8475, 69.6096**, and if you desaturate by 10%, it is **89.9062, 96.5729, 108.5096**.

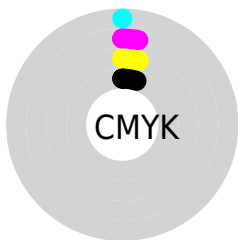
Distribution



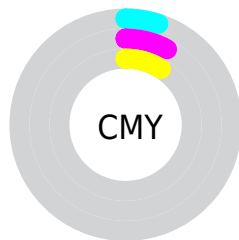
- Red (95%)
- Green (92%)
- Blue (91%)



- Red (95%)
- Yellow (92%)
- Blue (91%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (5%)



- Cyan (5%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6063, 83.5491, 88.2221 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 80.6063, 83.5491, 88.2221 by changing the saturation by 10% instead.

80.6063, 83.5491,
88.2221

80.6063, 83.5491,
88.2221

485.6792,
506.8147, 542.6504

60.5276, 62.6432,
65.9416

133.1639,
138.3443, 146.7802

44.0951, 45.5526,
47.7688

166.3734,
173.0023, 183.8949

30.9435, 31.8930,
33.2852

204.6907,
213.0133, 226.7914

20.7075, 21.2797,
22.0721

248.4809,
258.7615, 275.8883

13.0216, 13.3286,
13.7111

298.1096,
310.6313, 331.6041

7.5205, 7.6552,
7.7835

353.9419,

3.8389, 3.8751,

369.0072, 394.3574

3.8710

416.3434,
434.2735, 464.5666

■ 1.6114, 1.6040,
1.5548

■ 0.3998, 0.3603,
0.2583

■ 80.6063, 83.5491,
88.2221

■ 80.6063, 83.5491,
88.2221

■ 72.1921, 71.8475,
69.6096

■ 89.9062, 96.5729,
108.5096

■ 64.8121, 61.4889,
53.5812

■ 90.4285, 97.6175,
108.6837

■ 58.4280, 52.4280,
40.0238

■ 52.9962, 44.6132,
28.8140

■ 48.4698, 37.9893,
19.8172

■ 44.7979, 32.4970,
12.8856

■ 41.9244, 28.0716,
7.8530

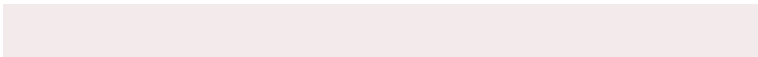
■ 39.7856, 24.6417,
4.5272

■ 38.3074, 22.1264,
2.6744

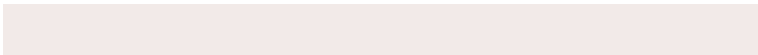
Harmonies

Analogous

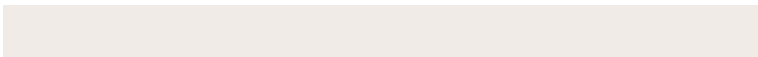
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9354, 83.5491, 90.2710



80.6063, 83.5491, 88.2221



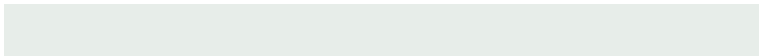
79.9575, 83.5491, 86.9243

Triad

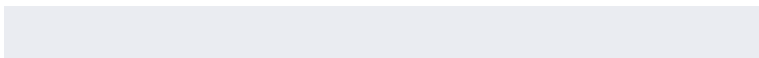
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6063, 83.5491, 88.2221



77.9851, 83.5491, 89.4180



79.6561, 83.5491, 95.3786

Complementary

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



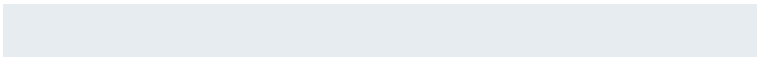
80.6063, 83.5491, 88.2221



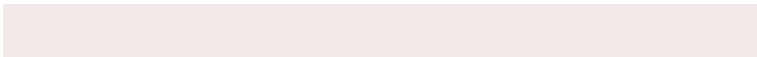
80.4658, 85.8856, 96.3422

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.



78.8669, 83.5491, 95.1409



80.6063, 83.5491, 88.2221



77.9056, 83.5491, 91.6741

Square

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



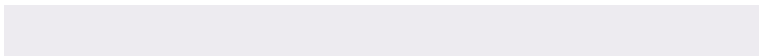
80.6063, 83.5491, 88.2221



78.4453, 83.5491, 87.6066



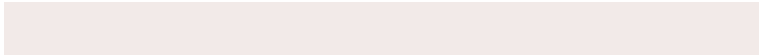
78.2274, 83.5491, 93.7759



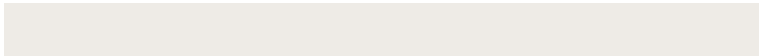
80.3845, 83.5491, 94.4199

Rectangle

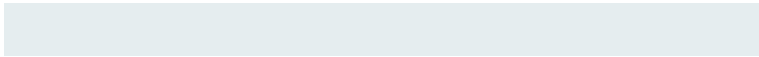
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



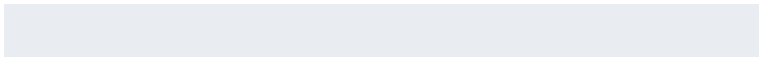
80.6063, 83.5491, 88.2221



79.4327, 83.5491, 86.6467



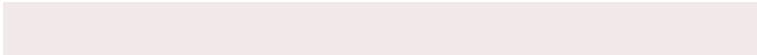
78.2274, 83.5491, 93.7759



79.3891, 83.5491, 95.4363

Sweetspot

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



80.6086, 83.5527, 88.2239



93.9951, 98.5428, 106.5364



81.2039, 82.8830, 94.1574



20.1299, 21.1076, 22.8281



0.0000, 0.0000, 0.0000



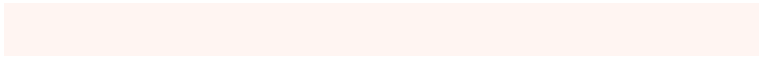
20.3446, 21.4041, 23.3091

Same Dimension

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



80.6086, 83.5527, 88.2239



89.8981, 92.8729, 97.3895



82.0511, 86.4377, 88.7047



16.7150, 17.2242, 17.9659



20.3267, 11.4515, 1.1390



1.7590, 1.0886, 0.1174

Inverse Universe

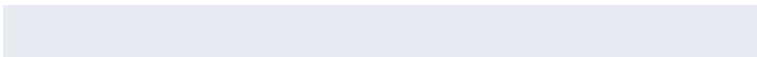
The Inverse Universe completely reimagines the original color for something new.



80.4658, 85.8856, 96.3422



89.7040, 96.0420, 108.4178



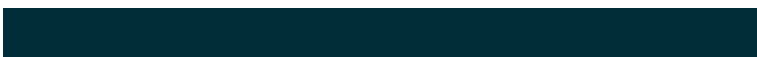
79.0153, 82.9845, 95.8587



16.6740, 17.8939, 20.2967



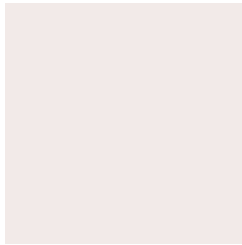
19.0130, 24.2503, 48.8066



1.6492, 2.1524, 4.0827

Previews

White Background



This preview shows how the XYZ color 80.6063, 83.5491, 88.2221 looks on a white background.

Color Contrast Check

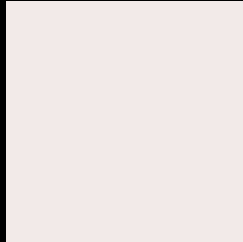
Large Text (above 18pt) WCAG AA × Fail

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 80.6063, 83.5491, 88.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

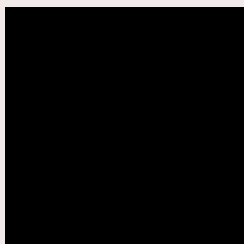
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

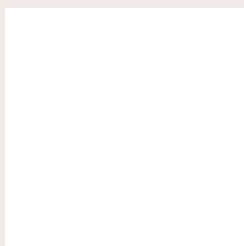
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.6063, 83.5491, 88.2221

Background



This preview shows how black text looks on a background with the XYZ color 80.6063, 83.5491, 88.2221.



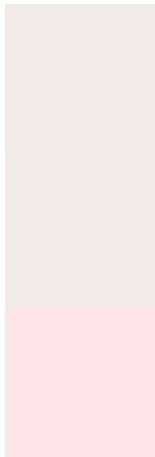
This preview shows how white text looks on a background with the XYZ color 80.6063, 83.5491,

88.2221.

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

80.6063, 83.5491, 88.2221

Protanopia

79.9235, 83.1971, 88.1902

Deuteranopia

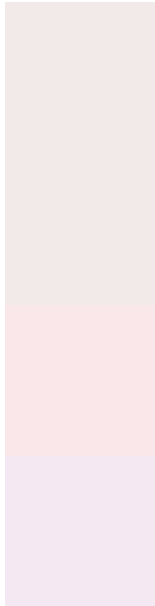
84.1106, 83.2391, 89.4756



Tritanopia

83.4874, 83.4664, 102.1529

Trichromacy



Original Color

80.6063, 83.5491, 88.2221

Protanomaly

80.2639, 83.3726, 88.2061

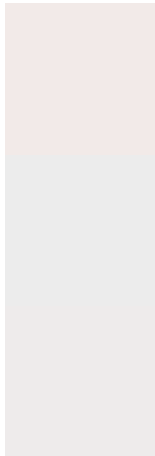
Deuteranomaly

82.7082, 83.3590, 88.8215

Tritanomaly

82.3425, 83.4174, 96.5553

Monochromacy



Original Color

80.6063, 83.5491, 88.2221

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.9636, 83.5920, 90.5176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6063, 83.5491, 88.2221 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(242, 234, 232) looks like.

```
.text, #text, p{  
    color:rgb(242, 234, 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(242, 234, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 234, 232) }
```

Border

The CSS property to change the border of an element to XYZ 80.6063, 83.5491, 88.2221 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(242, 234, 232) }
```


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

```
.border{ border-color:rgb(242, 234, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 234, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 234, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 234, 232); box-shadow:4px 4px 4px 4px rgb(242, 234, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6063, 83.5491, 88.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 234, 232) }
```

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

```
.background{ background-color: rgb(242,  
234, 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