

# Converting Colors

XYZ(80.4970, 83.2702, 98.2159)

Have a look what the booklet for  
XYZ(80.4970, 83.2702, 98.2159)  
contains.

<b>XYZ(80.4963, 83.2711, 98.2165)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(80.4963, 83.2711,  
98.2165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECEAF5
RGB	236, 234, 245
RGB Percent	93%, 92%, 96%
CMY	0.0745, 0.0823, 0.0392
CMYK	0.04, 0.04, 0.00, 0.04
HSL	251°, 35%, 94%
HSV	251°, 4%, 96%
XYZ	80.4963, 83.2711, 98.2165
YIQ	235.8520, -2.3390, 3.8450

# Conversions

## Conversions Part 2

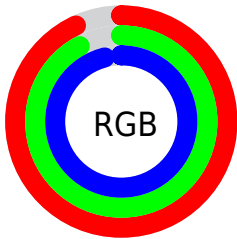
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 234, 245
Decimal	15526645
CIE Lab	93.13, 2.66, -5.08
CIE LCh	93, 5.736, 297.612
Yxy	83.2711, 0.3073, 0.3178
Android (android.graphics.Color)	4293716725 (0xFFECEAF5)
YUV	235.8520, 4.5100, 0.1298
Hunter-Lab	91.2530, -2.2339, 0.0627

# Details

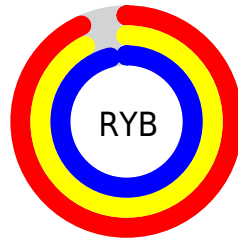
The XYZ color **80.4963, 83.2711, 98.2165** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4690, 90.3023, 90.8242**, and the grayscale version is **79.5856, 83.7302, 91.1822**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9281, 45.2182, 54.5568** is the 20% darker color. If you saturate the color by 10%, you get **67.7101, 67.0332, 95.7574**, and if you desaturate by 10%, it is **93.4817, 99.3727, 100.6413**.

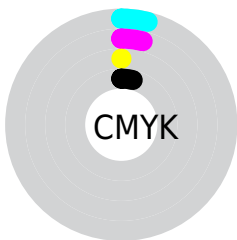
# Distribution



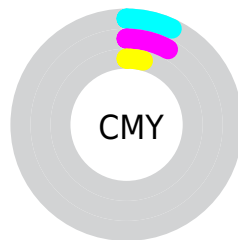
- Red (93%)
- Green (92%)
- Blue (96%)



- Red (93%)
- Yellow (92%)
- Blue (96%)



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



- Cyan (7%)
- Magenta (8%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4963, 83.2711, 98.2165 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 80.4963, 83.2711, 98.2165 by changing the saturation by 10% instead.



80.4963, 83.2711,  
98.2165

80.4963, 83.2711,  
98.2165

485.3149,  
505.8896, 575.6571

60.4367, 62.4138,  
74.2033

133.0101,  
137.9551, 160.7345

44.0215, 45.3672,  
54.4627

166.1951,  
172.5506, 200.0765

30.8854, 31.7467,  
38.5760

204.4859,  
212.4943, 245.3651

20.6630, 21.1681,  
26.1248

248.2479,  
258.1706, 297.0189

12.9890, 13.2469,  
16.6904

297.8464,  
309.9639, 355.4565

7.4979, 7.5988,  
9.8544

353.6469,

3.8245, 3.8393,

368.2585, 421.0963

5.1982

416.0146,  
433.4390, 494.3570

■ 1.6033, 1.5841,  
2.3032

■ 0.3946, 0.3468,  
0.7330

■ 80.4963, 83.2711,  
98.2165

■ 80.4963, 83.2711,  
98.2165

■ 67.7101, 67.0332,  
95.7574

■ 93.4817, 99.3727,  
100.6413

■ 56.5697, 53.0146,  
93.6388

■ 47.0093, 41.1216,  
91.8471

■ 38.9563, 31.2494,  
90.3660

■ 32.3321, 23.2843,  
89.1777

■ 27.0509, 17.1013,  
88.2626

■ 23.0171, 12.5599,  
87.5986

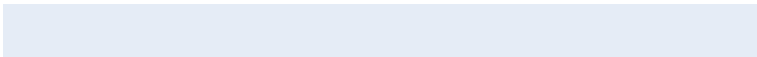
■ 20.1221, 9.4985,  
87.1603

■ 18.2367, 7.7207,  
86.9165

# Harmonies

## Analogous

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



79.0261, 83.2711, 99.2084



80.4963, 83.2711, 98.2165



81.6170, 83.2711, 95.1830

# Triad

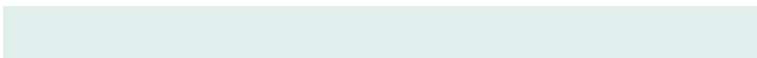
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4963, 83.2711, 98.2165



80.7078, 83.2711, 83.8442



76.2888, 83.2711, 90.3230

# Complementary

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



80.4963, 83.2711, 98.2165



84.4690, 90.3023, 90.8242

# Split Complementary

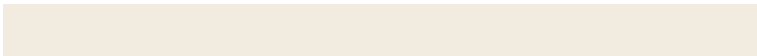
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7267, 83.2711, 86.2983



80.4963, 83.2711, 98.2165



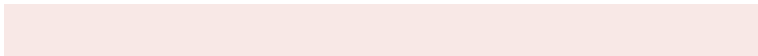
79.2674, 83.2711, 82.6325

# Square

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



80.4963, 83.2711, 98.2165



81.7403, 83.2711, 86.8787



77.8122, 83.2711, 83.5167



76.6086, 83.2711, 94.5661

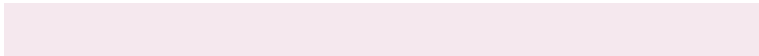


# Rectangle

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



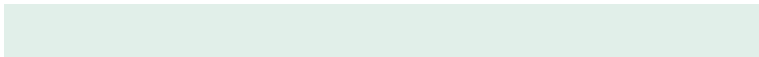
80.4963, 83.2711, 98.2165



82.0086, 83.2711, 92.4588



77.8122, 83.2711, 83.5167



76.3521, 83.2711, 88.9006

# Sweetspot

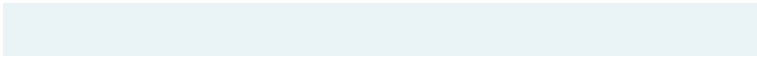
The Sweet Spot groups the original color and five complimentary colors.



80.4987, 83.2747, 98.2183



93.4782, 97.9901, 108.5949



82.5164, 88.2884, 99.0797



20.0248, 20.9951, 23.2470



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.



80.4987, 83.2747, 98.2183



87.3810, 90.2074, 107.4140



82.2966, 84.2015, 98.3025



16.9291, 17.4290, 21.0144



9.5317, 3.8881, 46.7861



0.9137, 0.3809, 4.1156



# Inverse Universe

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



83.2596, 84.7330, 96.7652



90.7462, 91.9850, 105.6381



82.6545, 89.3668, 90.7393



17.6752, 17.8232, 20.6193



25.9831, 12.7367, 30.9492

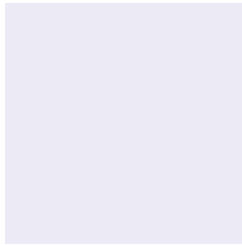


2.3165, 1.1326, 2.8932



# Previews

## White Background



This preview shows how the XYZ color 80.4963, 83.2711, 98.2165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

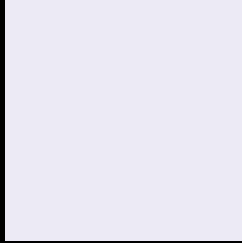
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.4963, 83.2711, 98.2165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

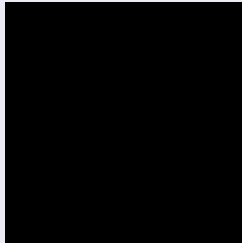
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

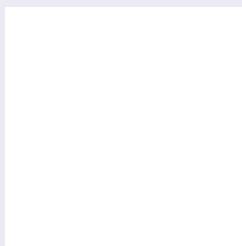
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 80.4963, 83.2711, 98.2165**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.4963, 83.2711, 98.2165.



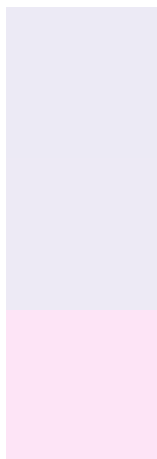
This preview shows how white text looks on a background with the XYZ color 80.4963, 83.2711,

98.2165.

# 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

80.4963, 83.2711, 98.2165

### Protanopia

80.8293, 83.4427, 98.2321

### Deuteranopia

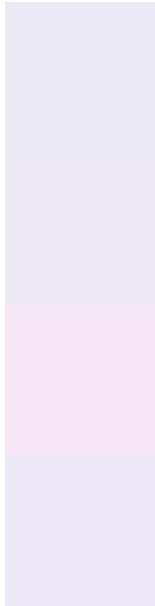
84.8860, 83.0233, 98.7399



## Tritanopia

81.4766, 83.2474, 103.0409

# Trichromacy



## Original Color

80.4963, 83.2711, 98.2165

## Protanomaly

80.8293, 83.4427, 98.2321

## Deuteranomaly

83.2891, 83.0216, 98.8237

## Tritanomaly

81.1628, 83.1219, 101.3889

# Monochromacy



## Original Color

80.4963, 83.2711, 98.2165

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.8804, 83.4815, 93.5648

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.4963, 83.2711, 98.2165 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, 234, 245) looks like.

```
.text, #text, p{  
    color:rgb(236, 234, 245)  
}
```

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, 234, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 234, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 80.4963, 83.2711, 98.2165 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, 234, 245) }
```



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

```
.border{ border-color:rgb(236, 234, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 234, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 234, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 234, 245);  
box-shadow:4px 4px 4px 4px rgb(236, 234,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.4963, 83.2711, 98.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 234, 245) }
```

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

```
.background{ background-color: rgb(236,  
234, 245) }
```

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