

# Converting Colors

XYZ(80.0126, 85.2070, 98.4557)

Have a look what the booklet for  
XYZ(80.0126, 85.2070, 98.4557)  
contains.

<b>XYZ(79.9811, 85.1486, 98.6061)</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(79.9811, 85.1486,  
98.6061)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6EFF5
RGB	230, 239, 245
RGB Percent	90%, 94%, 96%
CMY	0.0980, 0.0627, 0.0392
CMYK	0.06, 0.02, 0.00, 0.04
HSL	204°, 43%, 93%
HSV	204°, 6%, 96%
XYZ	79.9811, 85.1486, 98.6061
YIQ	236.9930, -7.2900, -0.0420

# Conversions

## Conversions Part 2

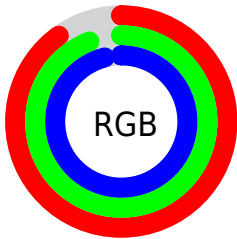
Format	Color
R <sub>Y</sub> B	230, 236, 245
Decimal	15134709
CIE Lab	93.95, -1.86, -3.93
CIE LCh	94, 4.353, 244.677
Yxy	85.1486, 0.3033, 0.3229
Android (android.graphics.Color)	4293324789 (0xFFE6EFF5)
YUV	236.9930, 3.9475, -6.1329
Hunter-Lab	92.2760, -6.7664, 1.2359

# Details

The XYZ color **79.9811, 85.1486, 98.6061** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.9349, 85.1159, 86.9749**, and the grayscale version is **80.4676, 84.6582, 92.1928**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5744, 46.5398, 54.8306** is the 20% darker color. If you saturate the color by 10%, you get **69.8750, 75.7990, 97.3354**, and if you desaturate by 10%, it is **91.3525, 95.3859, 99.9841**.

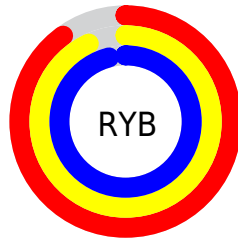
# Distribution



Red (90%)

Green (94%)

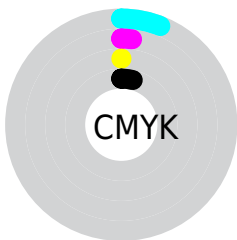
Blue (96%)



Red (90%)

Yellow (93%)

Blue (96%)

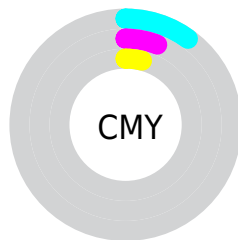


Cyan (6%)

Magenta (2%)

Yellow (0%)

Black (4%)



Cyan (10%)

Magenta (6%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9811, 85.1486, 98.6061 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 79.9811, 85.1486, 98.6061 by changing the saturation by 10% instead.



■ 79.9811, 85.1486,  
98.6061

■ 79.9811, 85.1486,  
98.6061

483.6066,  
512.1196, 576.9229

■ 60.0112, 63.9642,  
74.5266

132.2898,  
140.5808, 161.2755

■ 43.6772, 46.6217,  
54.7257

165.3594,  
175.5973, 200.7024

■ 30.6136, 32.7367,  
38.7851

203.5262,  
215.9933, 246.0821

■ 20.4552, 21.9248,  
26.2860

247.1556,  
262.1532, 297.8333

■ 12.8365, 13.8016,  
16.8100

296.6130,  
314.4614, 356.3744

■ 7.3923, 7.9828,  
9.9386

352.2638,

■ 3.7571, 4.0840,

373.3023, 422.1240

5.2532

414.4732,  
439.0602, 495.5006

■ 1.5657, 1.7206,  
2.3353

■ 0.3699, 0.4370,  
0.7509

■ 79.9811, 85.1486,  
98.6061

■ 79.9811, 85.1486,  
98.6061

■ 69.8750, 75.7990,  
97.3354

■ 91.3525, 95.3859,  
99.9841

■ 60.9787, 67.2977,  
96.1634

■ 93.4817, 99.3727,  
100.6414

■ 53.2429, 59.6182,  
95.0888

■ 46.6124, 52.7279,  
94.1083

■ 41.0266, 46.5918,  
93.2183

■ 36.4191, 41.1717,  
92.4150

■ 32.7146, 36.4247,  
91.6940

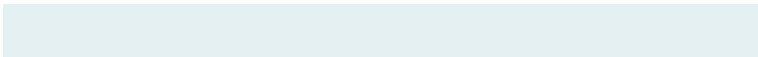
■ 29.8257, 32.3015,  
91.0504

■ 27.6446, 28.7419,  
90.4783

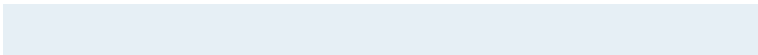
# Harmonies

## Analogous

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



79.1111, 85.1486, 96.3938



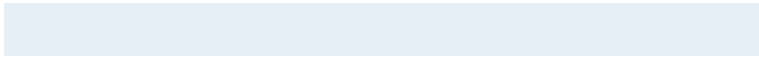
79.9811, 85.1486, 98.6061



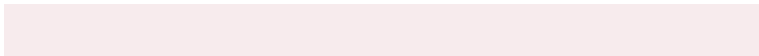
81.1132, 85.1486, 99.2246

# Triad

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



79.9811, 85.1486, 98.6061



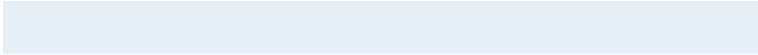
83.1742, 85.1486, 92.1925



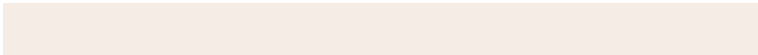
79.6690, 85.1486, 87.5586

# Complementary

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



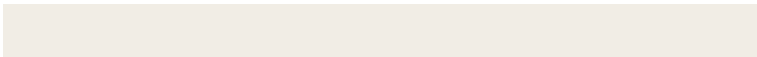
79.9811, 85.1486, 98.6061



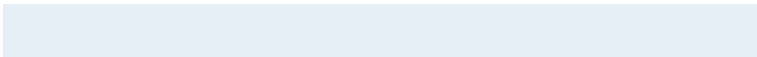
81.9349, 85.1159, 86.9749

# Split Complementary

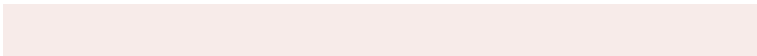
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7495, 85.1486, 86.4914



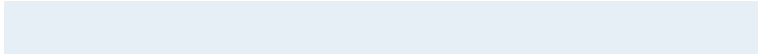
79.9811, 85.1486, 98.6061



82.7790, 85.1486, 89.1258

# Square

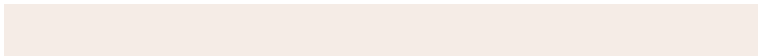
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



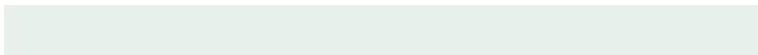
79.9811, 85.1486, 98.6061



82.9638, 85.1486, 95.4710



81.8888, 85.1486, 87.0583

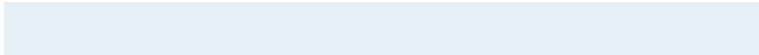


78.9321, 85.1486, 90.0074



# Rectangle

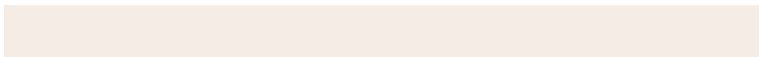
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9811, 85.1486, 98.6061



81.8658, 85.1486, 98.6378



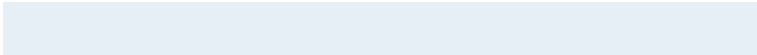
81.8888, 85.1486, 87.0583



80.0037, 85.1486, 87.0291

# Sweetspot

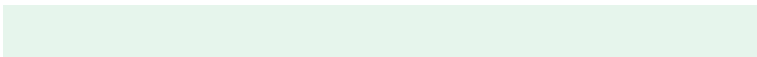
The Sweet Spot groups the original color and five complimentary colors.



79.9836, 85.1522, 98.6080



92.5516, 97.7516, 108.5977



80.3910, 88.1709, 91.9496



19.8361, 20.9465, 23.2476



0.0000, 0.0000, 0.0000

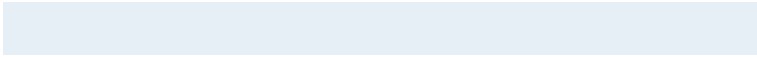


20.3446, 21.4041, 23.3091

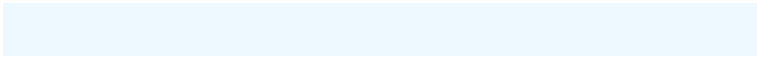


# Same Dimension

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



79.9836, 85.1522, 98.6080



86.5509, 92.3018, 107.8621



77.9023, 80.9897, 97.9142



16.8332, 17.9714, 21.1242



14.6439, 15.0817, 48.6773



1.3874, 1.5263, 4.3117



# Inverse Universe

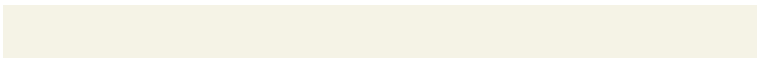
The Inverse Universe completely reimagines the original color for something new.



81.5349, 82.2398, 93.2421



88.4899, 88.6842, 101.1505



84.0659, 89.3780, 87.6853



17.2432, 17.2094, 19.7042



23.1961, 11.6219, 16.2729

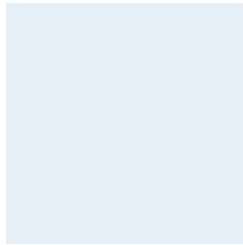


2.0894, 1.0417, 1.6970



# Previews

## White Background



This preview shows how the XYZ color 79.9811, 85.1486, 98.6061 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

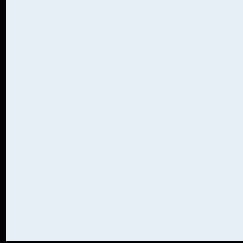
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.9811, 85.1486, 98.6061 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

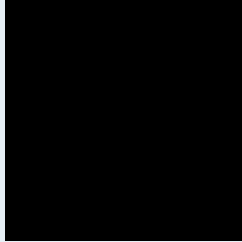
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

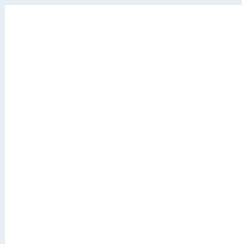
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 79.9811, 85.1486, 98.6061

## Background



This preview shows how black text looks on a background with the XYZ color 79.9811, 85.1486, 98.6061.



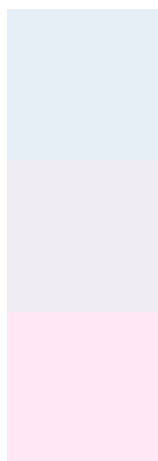
This preview shows how white text looks on a background with the XYZ color 79.9811, 85.1486,

98.6061.

# 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

79.9811, 85.1486, 98.6061

### Protanopia

82.1083, 84.9872, 96.8706

### Deuteranopia

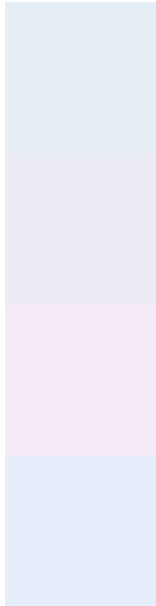
86.4505, 85.0656, 99.0517



## Tritanopia

81.6129, 84.9442, 106.7021

# Trichromacy



## Original Color

79.9811, 85.1486, 98.6061

## Protanomaly

81.2054, 84.9329, 97.7017

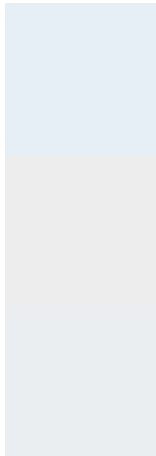
## Deuteranomaly

84.0634, 85.0923, 99.1826

## Tritanomaly

80.9421, 85.1030, 103.4272

# Monochromacy



## Original Color

79.9811, 85.1486, 98.6061

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.2344, 84.9328, 94.6029

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.9811, 85.1486, 98.6061 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(230, 239, 245)` looks like.

```
.text, #text, p{  
    color:rgb(230, 239, 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(230, 239, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 239, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 79.9811, 85.1486, 98.6061 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(230, 239, 245) }
```



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

```
.border{ border-color:rgb(230, 239, 245) }
```

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

Here you see how a box with a 4 pixel rgb(230, 239, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 239, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 239, 245);  
box-shadow:4px 4px 4px 4px rgb(230, 239,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.9811, 85.1486, 98.6061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 239, 245) }
```

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

```
.background{ background-color: rgb(230,  
239, 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