

# Converting Colors

XYZ(88.9480, 95.6259,  
100.1558)

Have a look what the booklet for  
XYZ(88.9480, 95.6259, 100.1558)  
contains.

<b>XYZ(88.9480, 95.6259, 100.1558)</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(88.9480, 95.6259,  
100.1558)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FCF5
RGB	245, 252, 245
RGB Percent	96%, 99%, 96%
CMY	0.0392, 0.0117, 0.0392
CMYK	0.03, 0.00, 0.03, 0.01
HSL	120°, 54%, 97%
HSV	120°, 3%, 99%
XYZ	88.9480, 95.6259, 100.1558
YIQ	249.1090, -1.9250, -3.6610

# Conversions

## Conversions Part 2

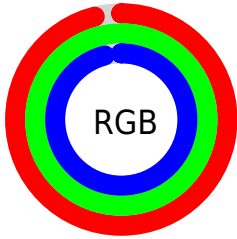
Format	Color
R <sub>Y</sub> B	245, 252, 252
Decimal	16121077
CIE Lab	98.28, -3.53, 2.53
CIE LCh	98, 4.347, 144.357
Yxy	95.6259, 0.3124, 0.3358
Android (android.graphics.Color)	4294311157 (0xFFFF5FCF5)
YUV	249.1090, -2.0257, -3.6036
Hunter-Lab	97.7885, -8.7670, 7.7266

# Details

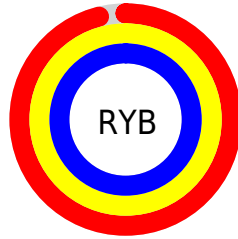
The XYZ color 88.9480, 95.6259, 100.1558 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.3715, 93.0309, 105.2938, and the grayscale version is 90.1518, 94.8467, 103.2880.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.6867, 53.5232, 55.8563 is the 20% darker color. If you saturate the color by 10%, you get 77.1594, 89.9660, 80.8716, and if you desaturate by 10%, it is 94.1023, 98.1046, 108.5841.

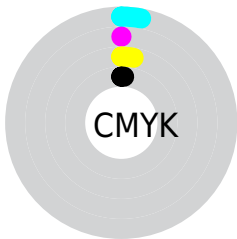
# Distribution



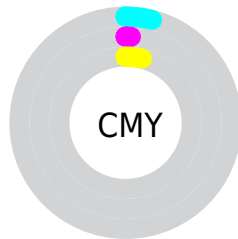
- Red (96%)
- Green (99%)
- Blue (96%)



- Red (96%)
- Yellow (99%)
- Blue (99%)



- Cyan (3%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)



- Cyan (4%)
- Magenta (1%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.9480, 95.6259, 100.1558 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 88.9480, 95.6259, 100.1558 by changing the saturation by 10% instead.




 88.9480, 95.6259,  
100.1558

 88.9480, 95.6259,  
100.1558


512.8918,  
546.1668, 581.9430

 67.4418, 72.6560,  
75.8131


144.7620,  
155.1290, 163.4250

 49.7158, 53.6947,  
55.7735


179.8006,  
192.4311, 203.1886

 35.4045, 38.3577,  
39.6186


220.0808,  
235.2793, 248.9295

 24.1426, 26.2604,  
26.9298

265.9678,  
284.0581, 301.0662

 15.5648, 17.0186,  
17.2885

317.8271,  
339.1518, 360.0174

 9.3056, 10.2477,  
10.2763

376.0239,

 4.9997, 5.5635,

400.9449, 426.2016

5.4745

440.9237,  
469.8218, 500.0373

■ 2.2819, 2.5815,  
2.4647

■ 0.7854, 0.9174,  
0.8214

■ 88.9480, 95.6259,  
100.1558

■ 88.9480, 95.6259,  
100.1558

■ 77.1594, 89.9660,  
80.8716

■ 94.1023, 98.1046,  
108.5841

■ 67.0203, 85.0957,  
64.2877

■ 58.4598, 80.9836,  
50.2856

■ 51.3984, 77.5917,  
38.7355

■ 45.7499, 74.8785,  
29.4963

■ 41.4194, 72.7983,  
22.4127

■ 38.3001, 71.2999,  
17.3102

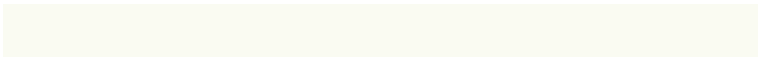
■ 36.2688, 70.3242,  
13.9873

■ 35.1763, 69.7994,  
12.1999

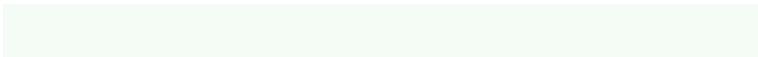
# Harmonies

## Analogous

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



89.9007, 95.6259, 97.9675



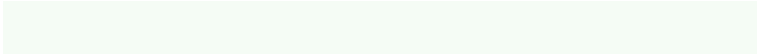
88.9480, 95.6259, 100.1558



88.5158, 95.6259, 103.4442

# Triad

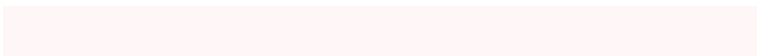
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9480, 95.6259, 100.1558



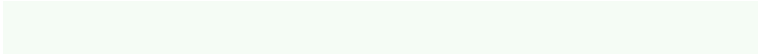
90.6531, 95.6259, 111.1302



93.0994, 95.6259, 101.3039

# Complementary

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



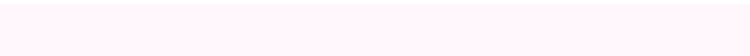
88.9480, 95.6259, 100.1558



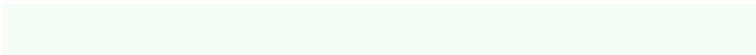
90.3715, 93.0309, 105.2938

# 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.



93.3053, 95.6259, 104.7995



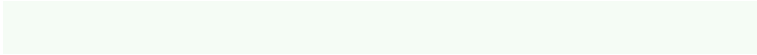
88.9480, 95.6259, 100.1558



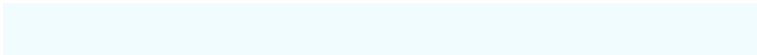
91.8856, 95.6259, 110.5256

# Square

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



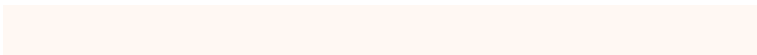
88.9480, 95.6259, 100.1558



89.4945, 95.6259, 109.8219



92.8591, 95.6259, 108.1882

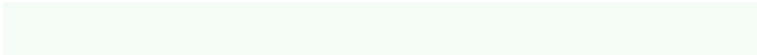


92.2990, 95.6259, 98.6196

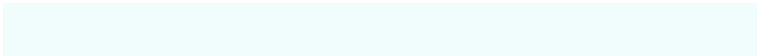


# Rectangle

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



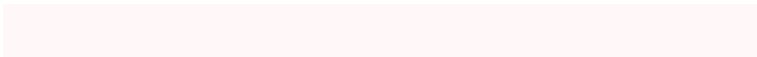
88.9480, 95.6259, 100.1558



88.5782, 95.6259, 105.8386



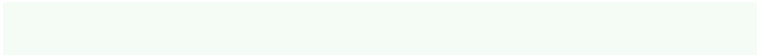
92.8591, 95.6259, 108.1882



93.2407, 95.6259, 102.4208

# Sweetspot

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



88.9507, 95.6300, 100.1579



93.7102, 99.3564, 106.7086



91.4410, 96.9138, 100.2741



20.0720, 21.2731, 22.8631



0.0000, 0.0000, 0.0000

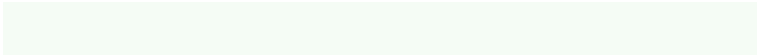


20.3446, 21.4041, 23.3091



# Same Dimension

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



88.9507, 95.6300, 100.1579



91.0840, 98.0949, 102.4130



89.4905, 95.8459, 103.0007



18.4536, 19.9991, 20.6417



18.1332, 36.2663, 6.0447

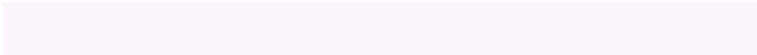


1.6795, 3.3589, 0.5599



# Inverse Universe

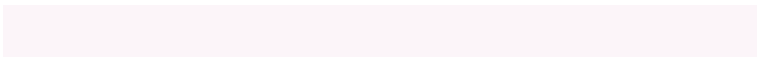
The Inverse Universe completely reimagines the original color for something new.



90.3715, 93.0309, 105.2938



92.6578, 95.2158, 108.1023



89.8215, 92.8109, 102.3974



18.8593, 19.2570, 22.1082



30.0636, 14.4411, 49.1705

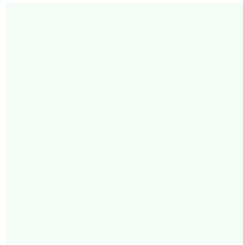


2.7844, 1.3375, 4.5541



# Previews

## White Background



This preview shows how the XYZ color 88.9480, 95.6259, 100.1558 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

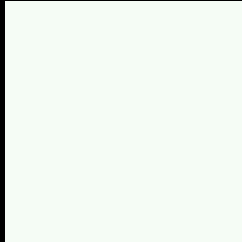
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.9480, 95.6259, 100.1558 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

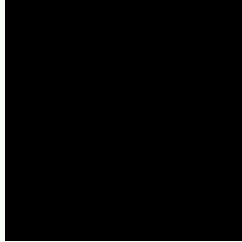
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

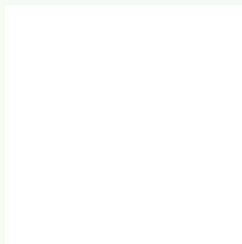
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.9480, 95.6259, 100.1558

## Background



This preview shows how black text looks on a background with the XYZ color 88.9480, 95.6259, 100.1558.



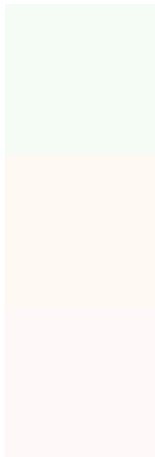
This preview shows how white text looks on a background with the XYZ color 88.9480, 95.6259,

100.1558.

# 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

88.9480, 95.6259, 100.1558

### Protanopia

91.4448, 95.5430, 99.2099

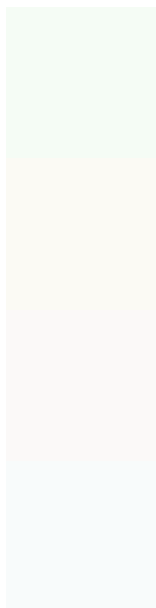
### Deuteranopia

91.9063, 95.2344, 103.1606

## **Tritanopia**

91.6599, 95.9152, 108.2902

# Trichromacy



## Original Color

88.9480, 95.6259, 100.1558

## Protanomaly

90.2984, 95.4121, 99.2451

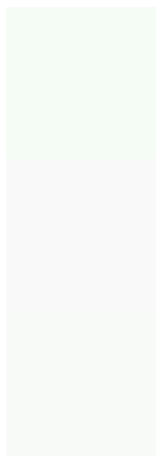
## Deuteranomaly

90.6026, 95.0379, 102.3758

## Tritanomaly

90.6212, 95.9159, 105.0042

# Monochromacy



## Original Color

88.9480, 95.6259, 100.1558

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

89.8403, 95.1050, 102.4289

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.9480, 95.6259, 100.1558 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(245, 252, 245)` looks like.

```
.text, #text, p{  
    color:rgb(245, 252, 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(245, 252, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 252, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 88.9480, 95.6259, 100.1558 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(245, 252, 245) }
```



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

```
.border{ border-color:rgb(245, 252, 245) }
```

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

Here you see how a box with a 4 pixel rgb(245, 252, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 252, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 252, 245);  
box-shadow:4px 4px 4px 4px rgb(245, 252,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.9480, 95.6259, 100.1558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 252, 245) }
```

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

```
.background{ background-color: rgb(245,  
252, 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