

# Converting Colors

XYZ(89.5999, 95.8264,  
102.6398)

Have a look what the booklet for  
XYZ(89.5999, 95.8264, 102.6398)  
contains.

<b>XYZ(89.7597, 95.9909, 102.6042)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(89.7597, 95.9909,  
102.6042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FCF8
RGB	246, 252, 248
RGB Percent	96%, 99%, 97%
CMY	0.0353, 0.0117, 0.0274
CMYK	0.02, 0.00, 0.02, 0.01
HSL	140°, 50%, 98%
HSV	140°, 2%, 99%
XYZ	89.7597, 95.9909, 102.6042
YIQ	249.7500, -2.2920, -2.5160

# Conversions

## Conversions Part 2

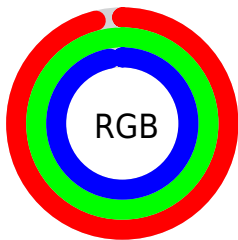
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 251, 252
Decimal	16186616
CIE <sub>Lab</sub>	98.43, -2.68, 1.21
CIE <sub>LCh</sub>	98, 2.937, 155.640
Yxy	95.9909, 0.3113, 0.3329
Android (android.graphics.Color)	4294376696 (0xFFFF6FCF8)
YUV	249.7500, -0.8627, -3.2887
Hunter-Lab	97.9749, -7.9235, 6.4910

# Details

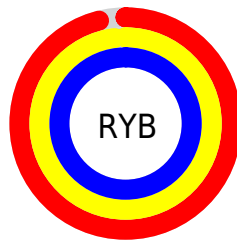
The XYZ color 89.7597, 95.9909, 102.6042 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.3595, 93.5116, 103.7343, and the grayscale version is 90.6706, 95.3925, 103.8824.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.2647, 53.7831, 57.6011 is the 20% darker color. If you saturate the color by 10%, you get 79.0220, 90.7460, 89.0974, and if you desaturate by 10%, it is 94.1022, 98.1045, 108.5841.

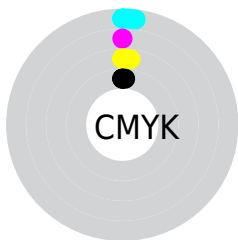
# Distribution



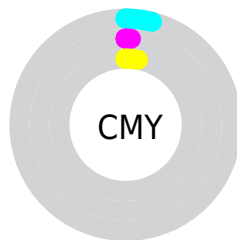
- Red (96%)
- Green (99%)
- Blue (97%)



- Red (96%)
- Yellow (98%)
- Blue (99%)



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)




- Cyan (4%)
- Magenta (1%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.7597, 95.9909, 102.6042 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 89.7597, 95.9909, 102.6042 by changing the saturation by 10% instead.




 89.7597, 95.9909,  
102.6042

 89.7597, 95.9909,  
102.6042


515.4984,  
547.3324, 589.8279

 68.1170, 72.9600,  
77.8482


145.8846,  
155.6329, 166.8144

 50.2669, 53.9432,  
57.4336


181.0975,  
193.0127, 207.1056

 35.8442, 38.5563,  
40.9418


221.5645,  
235.9443, 253.4124

 24.4834, 26.4147,  
27.9542

267.6509,  
284.8120, 306.1533

 15.8193, 17.1342,  
18.0524

319.7222,  
340.0003, 365.7467

 9.4864, 10.3302,  
10.8178

378.1436,

 5.1194, 5.6184,

401.8935, 432.6112

5.8318

443.2806,  
470.8761, 507.1655

■ 2.3530, 2.6145,  
2.6760

■ 0.8216, 0.9339,  
0.9313

■ 89.7597, 95.9909,  
102.6042

■ 89.7597, 95.9909,  
102.6042

■ 79.0220, 90.7460,  
89.0974

■ 94.1022, 98.1045,  
108.5841

■ 69.6609, 86.1817,  
76.8432

■ 61.6216, 82.2732,  
65.8078

■ 54.8423, 78.9895,  
55.9532

■ 49.2562, 76.2968,  
47.2400

■ 44.7902, 74.1584,  
39.6260

■ 41.3627, 72.5331,  
33.0669

■ 38.8801, 71.3736,  
27.5147

■ 37.2307, 70.6233,  
22.9177

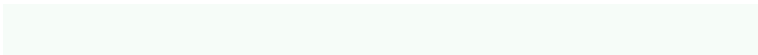
# Harmonies

## Analogous

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



90.2900, 95.9909, 100.7699



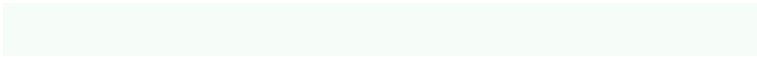
89.7597, 95.9909, 102.6042



89.6240, 95.9909, 104.9772

# Triad

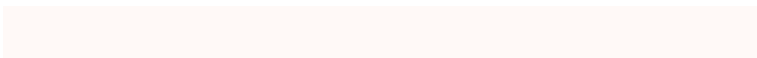
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7597, 95.9909, 102.6042



91.3968, 95.9909, 109.2323



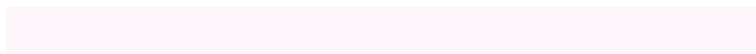
92.5675, 95.9909, 101.8213

# Complementary

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



89.7597, 95.9909, 102.6042



90.3595, 93.5116, 103.7343

# 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.



92.8681, 95.9909, 104.0597



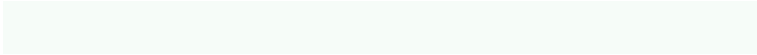
89.7597, 95.9909, 102.6042



92.1895, 95.9909, 108.3575

# Square

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



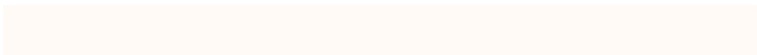
89.7597, 95.9909, 102.6042



90.5658, 95.9909, 108.8281



92.7294, 95.9909, 106.4550

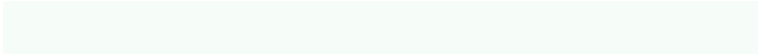


91.9104, 95.9909, 100.3228

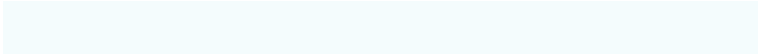


# Rectangle

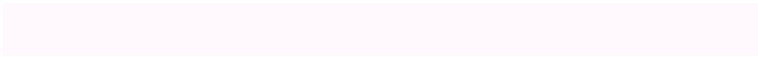
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



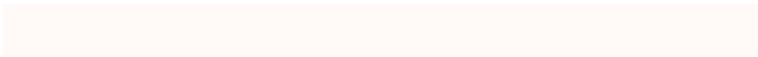
89.7597, 95.9909, 102.6042



89.7749, 95.9909, 106.5507



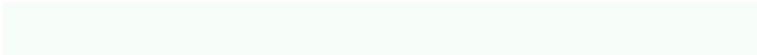
92.7294, 95.9909, 106.4550



92.7138, 95.9909, 102.5108

# Sweetspot

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



89.7624, 95.9950, 102.6063



93.8454, 99.4105, 107.4208



90.9088, 96.6217, 101.0486



20.0995, 21.2842, 23.0081



0.0000, 0.0000, 0.0000

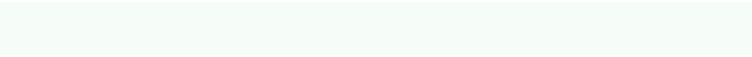


20.3446, 21.4041, 23.3091



# Same Dimension

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



89.7624, 95.9950, 102.6063



91.4807, 98.2536, 104.5023



90.2165, 96.1766, 104.9974



18.5555, 20.0399, 21.1783



19.0264, 36.6236, 10.7484

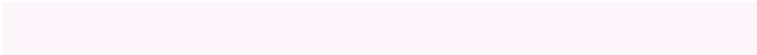


1.8092, 3.4108, 1.2430



# Inverse Universe

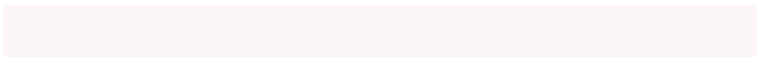
The Inverse Universe completely reimagines the original color for something new.



90.3595, 93.5116, 103.7343



92.2503, 95.0527, 105.9560



89.9076, 93.3308, 101.3546



18.7539, 19.2148, 21.5530



24.6675, 12.2827, 20.7552



2.3338, 1.1573, 2.1811



# Previews

## White Background



This preview shows how the XYZ color 89.7597, 95.9909, 102.6042 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

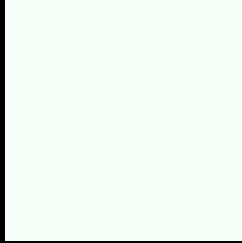
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.7597, 95.9909, 102.6042 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

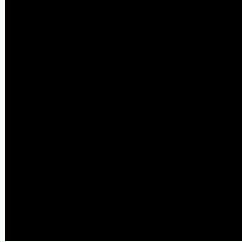
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.7597, 95.9909, 102.6042

## Background



This preview shows how black text looks on a background with the XYZ color 89.7597, 95.9909, 102.6042.



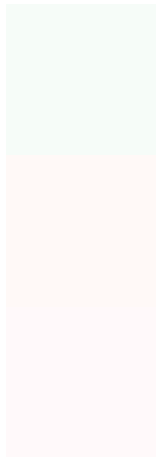
This preview shows how white text looks on a background with the XYZ color 89.7597, 95.9909,



# 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

89.7597, 95.9909, 102.6042

### Protanopia

91.9042, 95.7268, 101.6289

### Deuteranopia

92.3710, 95.9135, 104.0872

## **Tritanopia**

91.6599, 95.9152, 108.2902

# Trichromacy

## Original Color

89.7597, 95.9909, 102.6042

## Protanomaly

91.1190, 95.7821, 101.6810

## Deuteranomaly

91.4294, 95.9062, 103.3154

## Tritanomaly

91.1348, 96.1624, 105.8533

# Monochromacy

## Original Color

89.7597, 95.9909, 102.6042

## Achromatopsia

90.8653, 95.5973, 104.1055

## Achromatomaly

90.6630, 95.9737, 103.3688

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.7597, 95.9909, 102.6042 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(246, 252, 248) looks like.

```
.text, #text, p{  
    color:rgb(246, 252, 248)  
}
```

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(246, 252, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 252, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 89.7597, 95.9909, 102.6042 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".

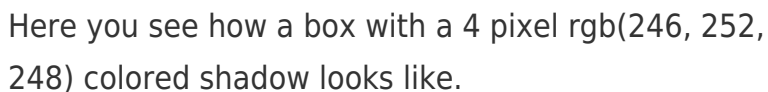
```
.border, #border, table{ border:4px solid rgb(246, 252, 248) }
```



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

```
.border{ border-color:rgb(246, 252, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(246, 252, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 252, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 252, 248); box-shadow:4px 4px 4px 4px rgb(246, 252, 248) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.7597, 95.9909, 102.6042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 252, 248) }
```

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

```
.background{ background-color: rgb(246,  
252, 248) }
```

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