

# Converting Colors

XYZ(89.7766, 96.8511,  
106.8124)

Have a look what the booklet for  
XYZ(89.7766, 96.8511, 106.8124)  
contains.

<b>XYZ(89.7894, 96.8527, 106.8905)</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(89.7894, 96.8527,  
106.8905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FEFD
RGB	242, 254, 253
RGB Percent	95%, 100%, 99%
CMY	0.0510, 0.0039, 0.0078
CMYK	0.05, 0.00, 0.00, 0.00
HSL	175°, 86%, 97%
HSV	175°, 5%, 100%
XYZ	89.7894, 96.8527, 106.8905
YIQ	250.2980, -6.8310, -2.8550

# Conversions

## Conversions Part 2

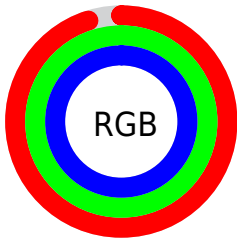
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 248, 254
Decimal	15924989
CIE Lab	98.77, -4.09, -0.89
CIE LCh	99, 4.190, 192.309
Yxy	96.8527, 0.3059, 0.3300
Android (android.graphics.Color)	4294115069 (0xFF F2FEFD)
YUV	250.2980, 1.3321, -7.2773
Hunter-Lab	98.4138, -9.3667, 4.4928

# Details

The XYZ color 89.7894, 96.8527, 106.8905 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.8064, 91.0488, 97.6923, and the grayscale version is 91.1084, 95.8532, 104.3841.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.1798, 54.3571, 60.0718 is the 20% darker color. If you saturate the color by 10%, you get 81.3338, 92.5353, 104.7397, and if you desaturate by 10%, it is 94.7336, 99.3673, 108.7945.

# Distribution



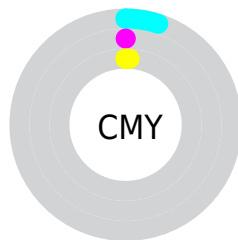
- Red (95%)
- Green (100%)
- Blue (99%)



- Red (95%)
- Yellow (97%)
- Blue (100%)



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




- Cyan (5%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.7894, 96.8527, 106.8905 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 89.7894, 96.8527, 106.8905 by changing the saturation by 10% instead.




 89.7894, 96.8527,  
106.8905

 89.7894, 96.8527,  
106.8905


515.5937,  
550.0793, 603.4999

 68.1417, 73.6779,  
81.4186


145.9257,  
156.8217, 172.7287

 50.2871, 54.5305,  
60.3534


181.1449,  
194.3848, 213.9321

 35.8603, 39.0259,  
43.2764


221.6187,  
237.5127, 261.2163

 24.4959, 26.7799,  
29.7690

267.7125,  
286.5899, 315.0000

 15.8286, 17.4080,  
19.4128

319.7915,  
342.0007, 375.7017

 9.4931, 10.5258,  
11.7891

378.2211,

 5.1238, 5.7490,

404.1297, 443.7398

6.4794

443.3667,  
473.3611, 519.5331

■ 2.3556, 2.6930,  
3.0653

■ 0.8229, 0.9737,  
1.1281

■ 89.7894, 96.8527,  
106.8905

■ 89.7894, 96.8527,  
106.8905

■ 81.3338, 92.5353,  
104.7397

94.7336, 99.3673,  
108.7945

■ 74.0403, 88.8138,  
102.6608

■ 67.8588, 85.6651,  
100.6536

■ 62.7320, 83.0598,  
98.7152

■ 58.5978, 80.9656,  
96.8427

■ 55.3871, 79.3473,  
95.0328

■ 53.0226, 78.1646,  
93.2817

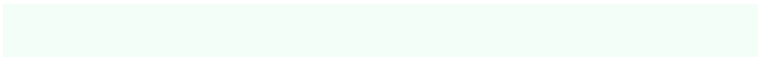
■ 51.4138, 77.3711,  
91.5853

■ 50.4497, 76.9095,  
89.9382

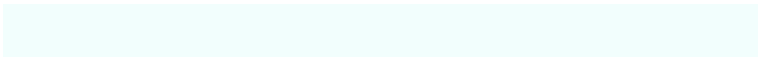
# Harmonies

## Analogous

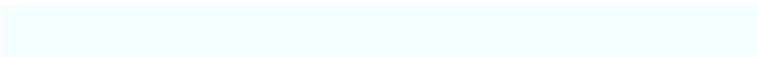
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8453, 96.8527, 103.4337



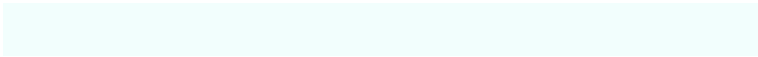
89.7894, 96.8527, 106.8905



90.3368, 96.8527, 110.0294

# Triad

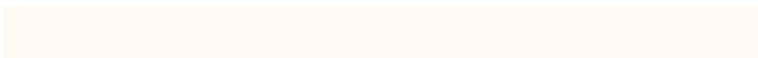
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7894, 96.8527, 106.8905



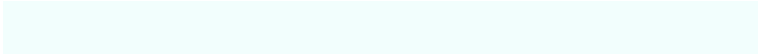
93.6389, 96.8527, 110.4876



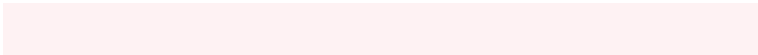
92.7681, 96.8527, 99.2026

# Complementary

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



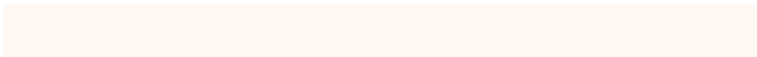
89.7894, 96.8527, 106.8905



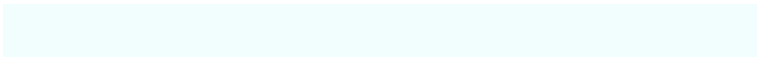
88.8064, 91.0488, 97.6923

# 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.



93.7960, 96.8527, 101.0114



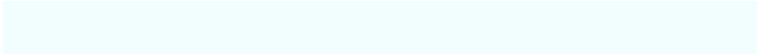
89.7894, 96.8527, 106.8905



94.3018, 96.8527, 107.5047

# Square

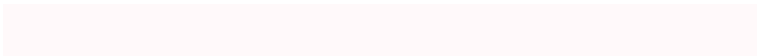
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.7894, 96.8527, 106.8905



92.5551, 96.8527, 112.1366



94.3596, 96.8527, 104.0346



91.5579, 96.8527, 99.0464

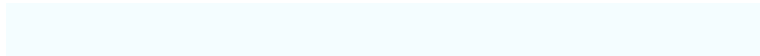


# Rectangle

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



89.7894, 96.8527, 106.8905



90.9730, 96.8527, 111.4990



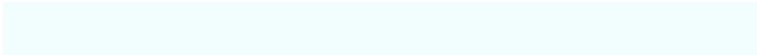
94.3596, 96.8527, 104.0346



93.1467, 96.8527, 99.6356

# Sweetspot

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



89.7922, 96.8568, 106.8926



94.0837, 99.5058, 108.6756



88.5030, 96.3889, 97.9463



20.1480, 21.3036, 23.2634



0.0000, 0.0000, 0.0000

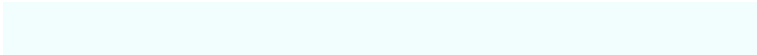


20.3446, 21.4041, 23.3091

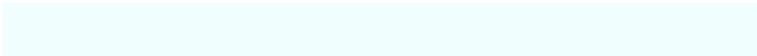


# Same Dimension

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



89.7922, 96.8568, 106.8926



89.4380, 97.1306, 107.5655



88.4478, 93.9114, 107.2358



19.0184, 20.7260, 22.9927



26.4482, 40.4759, 47.1068

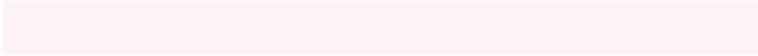


2.5937, 3.9484, 4.6844

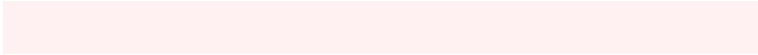


# Inverse Universe

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



88.8064, 91.0488, 97.6923



88.1860, 89.7533, 95.8794



90.1032, 93.8842, 97.3785



18.7225, 18.9829, 20.2314



21.6423, 11.1462, 1.5008



2.1273, 1.0933, 0.2520



# Previews

## White Background



This preview shows how the XYZ color 89.7894, 96.8527, 106.8905 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

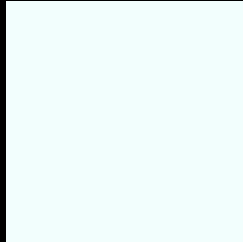
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.7894, 96.8527, 106.8905 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

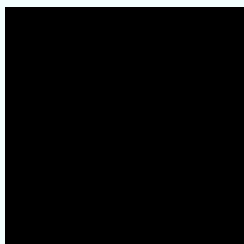
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.7894, 96.8527, 106.8905

## Background



This preview shows how black text looks on a background with the XYZ color 89.7894, 96.8527, 106.8905.



This preview shows how white text looks on a background with the XYZ color 89.7894, 96.8527,

106.8905.

# 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

A vertical bar on the left side of the page is divided into three colored sections: a light cyan top section, a light pink middle section, and a light red bottom section. These sections correspond to the 'Original Color', 'Protanopia', and 'Deuteranopia' labels respectively.

### Original Color

89.7894, 96.8527, 106.8905

### Protanopia

92.8382, 96.5962, 105.0186

### Deuteranopia

92.9963, 96.6595, 105.8512

## **Tritanopia**

91.9715, 96.5384, 108.3941

# Trichromacy

## Original Color

89.7894, 96.8527, 106.8905

## Protanomaly

91.4922, 96.3466, 105.8701

## Deuteranomaly

91.4922, 96.3466, 105.8701

## Tritanomaly

91.0576, 96.5507, 107.6028

# Monochromacy

## Original Color

89.7894, 96.8527, 106.8905

## Achromatopsia

90.8653, 95.5973, 104.1055

## Achromatomaly

90.2675, 95.7336, 104.9876

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.7894, 96.8527, 106.8905 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, 254, 253)` looks like.

```
.text, #text, p{  
    color:rgb(242, 254, 253)  
}
```

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, 254, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 254, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 89.7894, 96.8527, 106.8905 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, 254, 253) }
```



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

```
.border{ border-color:rgb(242, 254, 253) }
```

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

Here you see how a box with a 4 pixel rgb(242, 254, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 254, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 254, 253);  
box-shadow:4px 4px 4px 4px rgb(242, 254,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.7894, 96.8527, 106.8905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 254, 253) }
```

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

```
.background{ background-color: rgb(242,  
254, 253) }
```

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