

# Converting Colors

XYZ(90.7305, 97.4233,  
111.7744)

Have a look what the booklet for  
XYZ(90.7305, 97.4233, 111.7744)  
contains.

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# **Color**

**XYZ(90.1098, 96.9809,  
108.5776)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FEFF
RGB	242, 254, 255
RGB Percent	95%, 100%, 100%
CMY	0.0510, 0.0039, 0.0000
CMYK	0.05, 0.00, 0.00, 0.00
HSL	185°, 100%, 97%
HSV	185°, 5%, 100%
XYZ	90.1098, 96.9809, 108.5776
YIQ	250.5260, -7.4730, -2.2330

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 248, 255
Decimal	15924991
CIE <sub>Lab</sub>	98.82, -3.73, -1.85
CIE <sub>LCh</sub>	99, 4.161, 206.342
Yxy	96.9809, 0.3048, 0.3280
Android (android.graphics.Color)	4294115071 (0xFF2FEFF)
YUV	250.5260, 2.2057, -7.4773
Hunter-Lab	98.4789, -9.0076, 3.5652

# Details

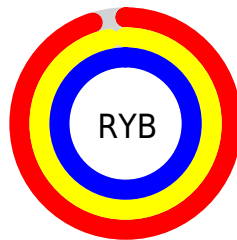
The XYZ color 90.1098, 96.9809, 108.5776 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.3168, 91.7698, 97.0118, and the grayscale version is 91.2904, 96.0446, 104.5926.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.4090, 54.4488, 61.2789 is the 20% darker color. If you saturate the color by 10%, you get 81.3452, 91.5511, 107.9915, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

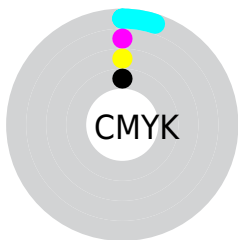
# Distribution



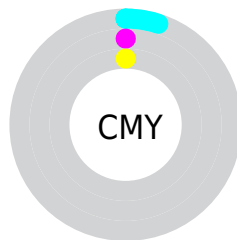
- Red (95%)
- Green (100%)
- Blue (100%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.1098, 96.9809, 108.5776 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 90.1098, 96.9809, 108.5776 by changing the saturation by 10% instead.




 90.1098, 96.9809,  
108.5776

 90.1098, 96.9809,  
108.5776


516.6205,  
550.4874, 608.8370

 68.4083, 73.7848,  
82.8264


146.3685,  
156.9985, 175.0501

 50.5049, 54.6179,  
61.5072


181.6564,  
194.5887, 216.6085

 36.0341, 39.0959,  
44.2014


222.2037,  
237.7458, 264.2731

 24.6308, 26.8343,  
30.4905

268.3760,  
286.8541, 318.4623

 15.9295, 17.4488,  
19.9560

320.5384,  
342.2980, 379.5948

 9.5648, 10.5550,  
12.1793

379.0564,

 5.1714, 5.7685,

404.4619, 448.0890

6.7419

444.2953,  
473.7302, 524.3636

■ 2.3840, 2.7048,  
3.2252

■ 0.8371, 0.9796,  
1.2108

■ 90.1098, 96.9809,  
108.5776

■ 90.1098, 96.9809,  
108.5776

■ 81.3452, 91.5511,  
107.9915

95.0500, 100.0000,  
108.9000

■ 73.7546, 86.7330,  
107.4616

■ 67.2866, 82.5031,  
106.9860

■ 61.8834, 78.8313,  
106.5621

■ 57.4819, 75.6852,  
106.1868

■ 54.0124, 73.0287,  
105.8569

■ 51.3961, 70.8213,  
105.5688

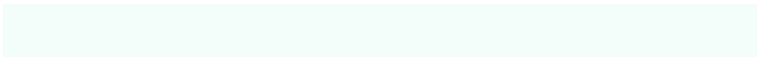
■ 49.5411, 69.0156,  
105.3180

■ 48.3344, 67.5531,  
105.0993

# Harmonies

## Analogous

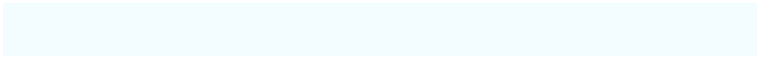
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8769, 96.9809, 105.1715



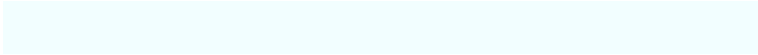
90.1098, 96.9809, 108.5776



90.8950, 96.9809, 111.2349

# Triad

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



90.1098, 96.9809, 108.5776



94.1260, 96.9809, 109.3288



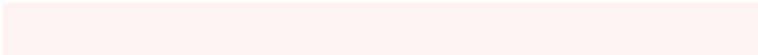
92.3258, 96.9809, 99.0899

# Complementary

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



90.1098, 96.9809, 108.5776



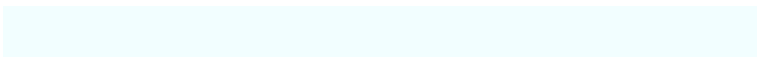
89.3168, 91.7698, 97.0118

# Split Complementary

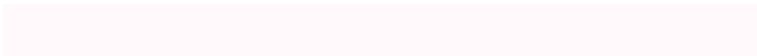
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.4719, 96.9809, 100.1504



90.1098, 96.9809, 108.5776



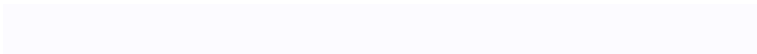
94.5169, 96.9809, 106.0210

# Square

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



90.1098, 96.9809, 108.5776



93.2128, 96.9809, 111.6752



94.2765, 96.9809, 102.6689

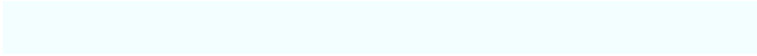


91.1497, 96.9809, 99.7410

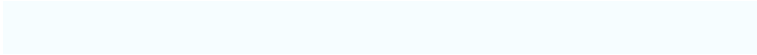


# Rectangle

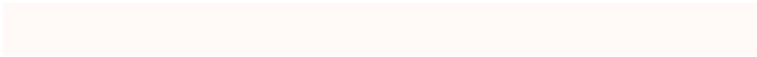
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1098, 96.9809, 108.5776



91.6296, 96.9809, 112.1982



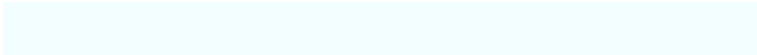
94.2765, 96.9809, 102.6689



92.7274, 96.9809, 99.2575

# Sweetspot

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



90.1123, 96.9849, 108.5783



93.0742, 98.7969, 108.7719



88.5365, 96.8607, 98.7196



19.9424, 21.1592, 23.2830



0.0000, 0.0000, 0.0000

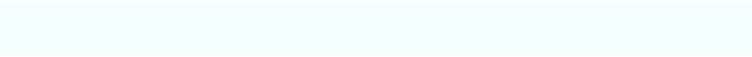


20.3446, 21.4041, 23.3091

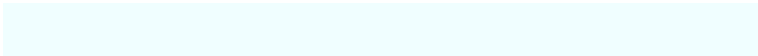


# Same Dimension

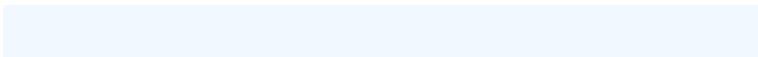
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1123, 96.9849, 108.5783



89.2712, 96.4684, 108.5229



88.1238, 93.0079, 107.9154



18.9788, 20.5689, 23.2199



25.0790, 35.0676, 54.8815



2.4758, 3.4823, 5.3549



# Inverse Universe

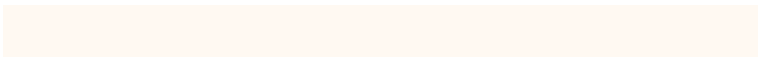
The Inverse Universe completely reimagines the original color for something new.



90.8831, 91.9216, 106.7234



90.1740, 90.5485, 106.3480



91.2567, 95.6497, 97.6585



19.1923, 19.1708, 22.7051



29.4469, 14.2681, 42.5994



2.8843, 1.3961, 4.2380



# Previews

## White Background



This preview shows how the XYZ color 90.1098, 96.9809, 108.5776 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

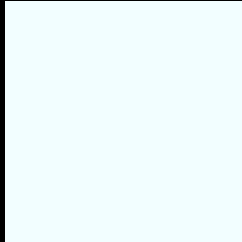
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.1098, 96.9809, 108.5776 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

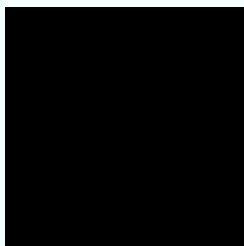
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.1098, 96.9809, 108.5776

## Background



This preview shows how black text looks on a background with the XYZ color 90.1098, 96.9809, 108.5776.



This preview shows how white text looks on a background with the XYZ color 90.1098, 96.9809,



# 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 yellow bottom section. To the right of these sections are three text blocks, each corresponding to a color vision deficiency type. Each block contains a bold title and a list of three numerical values in blue text.

### Original Color

90.1098, 96.9809, 108.5776

### Protanopia

93.1552, 96.7231, 106.6881

### Deuteranopia

92.9963, 96.6595, 105.8512

## **Tritanopia**

91.9715, 96.5384, 108.3941

# Trichromacy



**Original Color**

90.1098, 96.9809, 108.5776

**Protanomaly**

91.8109, 96.4741, 107.5483

**Deuteranomaly**

91.6511, 96.4102, 106.7070

**Tritanomaly**

91.2182, 96.6150, 108.4486

# Monochromacy



**Original Color**

90.1098, 96.9809, 108.5776

**Achromatopsia**

91.6934, 96.4686, 105.0543

**Achromatomaly**

91.0925, 96.6055, 105.9411

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.1098, 96.9809, 108.5776 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 254, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 90.1098, 96.9809, 108.5776 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, 255) }
```



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

```
.border{ border-color:rgb(242, 254, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.1098, 96.9809, 108.5776 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, 255) }
```

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

```
.background{ background-color: rgb(242,  
254, 255) }
```

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](#).

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