

# Converting Colors

XYZ(92.7666, 97.0822,  
114.6715)

Have a look what the booklet for  
XYZ(92.7666, 97.0822, 114.6715)  
contains.

<b>XYZ(91.5718, 96.7973, 108.4651)</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(91.5718, 96.7973,  
108.4651)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FCFF
RGB	248, 252, 255
RGB Percent	97%, 99%, 100%
CMY	0.0274, 0.0117, 0.0000
CMYK	0.03, 0.01, 0.00, 0.00
HSL	206°, 100%, 99%
HSV	206°, 3%, 100%
XYZ	91.5718, 96.7973, 108.4651
YIQ	251.1460, -3.3470, 0.0850

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 251, 255
Decimal	16317695
CIE <sub>Lab</sub>	98.75, -0.77, -1.90
CIE <sub>LCh</sub>	99, 2.054, 247.864
Yxy	96.7973, 0.3085, 0.3261
Android (android.graphics.Color)	4294507775 (0xFF8FCFF)
YUV	251.1460, 1.9000, -2.7590
Hunter-Lab	98.3856, -6.0371, 3.5057

# Details

The XYZ color 91.5718, 96.7973, 108.4651 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.6794, 97.0291, 102.6521, and the grayscale version is 91.8048, 96.5858, 105.1819.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.4464, 54.3139, 61.1982 is the 20% darker color. If you saturate the color by 10%, you get 79.8120, 85.7966, 106.9616, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



- Red (97%)
- Green (99%)
- Blue (100%)



- Red (97%)
- Yellow (98%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 91.5718, 96.7973, 108.4651 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 91.5718, 96.7973, 108.4651 by changing the saturation by 10% instead.



91.5718, 96.7973,  
108.4651

91.5718, 96.7973,  
108.4651

521.2927,  
549.9030, 608.4818

69.6256, 73.6318,  
82.7325

148.3871,  
156.7453, 174.8954

51.4998, 54.4927,  
61.4301

183.9868,  
194.2966, 216.4302

36.8292, 38.9957,  
44.1396

224.8685,  
237.4119, 264.0695

25.2484, 26.7564,  
30.4423

271.3974,  
286.4757, 318.2318

16.3919, 17.3904,  
19.9196

323.9389,  
341.8723, 379.3356

9.8945, 10.5132,  
12.1531

382.8584,

5.3908, 5.7405,

403.9861, 447.7996

6.7243

448.5212,  
473.2015, 524.0421

■ 2.5154, 2.6880,  
3.2144

■ 0.9030, 0.9711,  
1.2051

■ 91.5718, 96.7973,  
108.4651

■ 91.5718, 96.7973,  
108.4651

■ 79.8120, 85.7966,  
106.9616

95.0500, 100.0000,  
108.9000

■ 69.4252, 75.7882,  
105.5772

■ 60.3580, 66.7422,  
104.3091

■ 52.5500, 58.6224,  
103.1533

■ 45.9359, 51.3899,  
102.1059

■ 40.4442, 45.0023,  
101.1624

■ 35.9946, 39.4129,  
100.3181

■ 32.4951, 34.5682,  
99.5674

■ 29.8348, 30.4052,  
98.9041

# Harmonies

## Analogous

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



91.1012, 96.7973, 107.4230



91.5718, 96.7973, 108.4651



92.1598, 96.7973, 108.6804

# Triad

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



91.5718, 96.7973, 108.4651



93.1428, 96.7973, 104.9474



91.3014, 96.7973, 102.8260

# Complementary

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



91.5718, 96.7973, 108.4651



92.6794, 97.0291, 102.6521

# 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.



91.8462, 96.7973, 102.1781



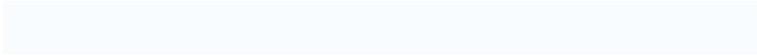
91.5718, 96.7973, 108.4651



92.9106, 96.7973, 103.3942

# Square

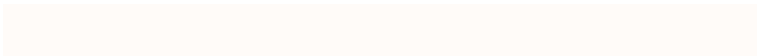
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.5718, 96.7973, 108.4651



93.0685, 96.7973, 106.6373



92.4354, 96.7973, 102.3850



90.9455, 96.7973, 104.1640

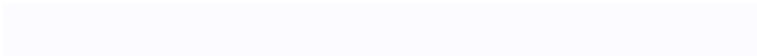


# Rectangle

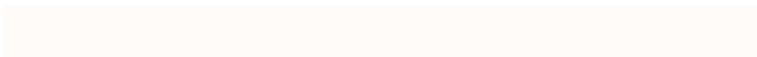
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



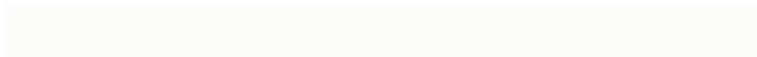
91.5718, 96.7973, 108.4651



92.5395, 96.7973, 108.3239



92.4354, 96.7973, 102.3850



91.4684, 96.7973, 102.5210

# Sweetspot

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



91.5743, 96.8013, 108.4658



93.7710, 98.8255, 108.7407



91.8716, 98.4366, 105.3568



20.0843, 21.1651, 23.2767



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

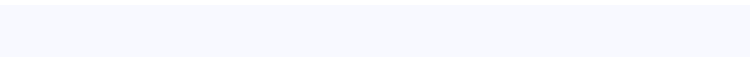
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.5743, 96.8013, 108.4658



91.2561, 96.5074, 108.4258



90.5095, 94.6718, 108.1109



19.3202, 20.4601, 23.1809



14.9459, 14.8015, 51.5038



1.5637, 1.6581, 5.0509



# Inverse Universe

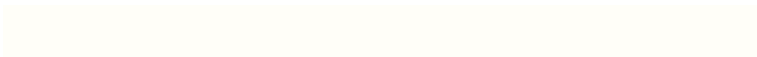
The Inverse Universe completely reimagines the original color for something new.



92.3796, 95.4245, 105.6503



92.1354, 95.0068, 105.3510



93.7578, 99.1859, 103.0116



19.5578, 20.0568, 22.3493



24.3322, 12.2222, 15.6658



2.4239, 1.2119, 1.8136



# Previews

## White Background



This preview shows how the XYZ color 91.5718, 96.7973, 108.4651 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

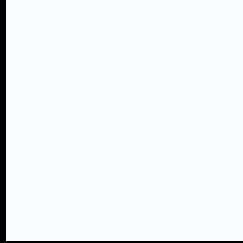
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 91.5718, 96.7973, 108.4651 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

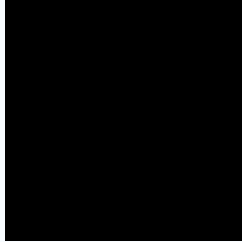
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

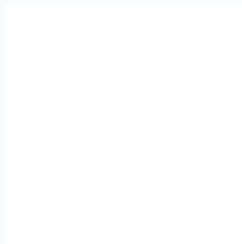
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 91.5718, 96.7973, 108.4651

## Background



This preview shows how black text looks on a background with the XYZ color 91.5718, 96.7973, 108.4651.



This preview shows how white text looks on a background with the XYZ color 91.5718, 96.7973, 108.4651.



# 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 blue 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

91.5718, 96.7973, 108.4651

### Protanopia

93.3150, 96.7870, 107.5295

### Deuteranopia

92.9963, 96.6595, 105.8512

## **Tritanopia**

92.3308, 96.7236, 108.4109

# Trichromacy

## Original Color

91.5718, 96.7973, 108.4651

## Protanomaly

92.5315, 96.8456, 107.5821

## Deuteranomaly

92.3717, 96.7817, 106.7407

## Tritanomaly

91.9715, 96.5384, 108.3941

# Monochromacy

## Original Color

91.5718, 96.7973, 108.4651

## Achromatopsia

91.6934, 96.4686, 105.0543

## Achromatomaly

91.4922, 96.3466, 105.8701

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 91.5718, 96.7973, 108.4651 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(248, 252, 255) looks like.

```
.text, #text, p{  
    color:rgb(248, 252, 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(248, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 252, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 91.5718, 96.7973, 108.4651 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(248, 252, 255) }
```



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

```
.border{ border-color:rgb(248, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 252,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 91.5718, 96.7973, 108.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 252, 255) }
```

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

```
.background{ background-color: rgb(248,  
252, 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](#).

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