

# Converting Colors

XYZ(91.7618, 97.9896,  
111.3663)

Have a look what the booklet for  
XYZ(91.7618, 97.9896, 111.3663)  
contains.

<b>XYZ(91.1480, 97.5161, 108.6262)</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(91.1480, 97.5161,  
108.6262)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FEFF
RGB	245, 254, 255
RGB Percent	96%, 100%, 100%
CMY	0.0392, 0.0039, 0.0000
CMYK	0.04, 0.00, 0.00, 0.00
HSL	186°, 100%, 98%
HSV	186°, 4%, 100%
XYZ	91.1480, 97.5161, 108.6262
YIQ	251.4230, -5.6850, -1.5970

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 250, 255
Decimal	16121599
CIE <sub>Lab</sub>	99.03, -2.76, -1.51
CIE <sub>LCh</sub>	99, 3.146, 208.740
Yxy	97.5161, 0.3066, 0.3280
Android (android.graphics.Color)	4294311679 (0xFF5FEFF)
YUV	251.4230, 1.7635, -5.6330
Hunter-Lab	98.7502, -8.0547, 3.9056

# Details

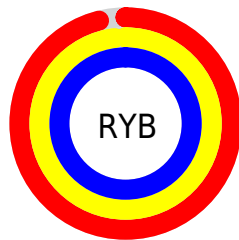
The XYZ color 91.1480, 97.5161, 108.6262 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.6763, 93.7618, 99.7064, and the grayscale version is 92.0376, 96.8307, 105.4486.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.1456, 54.8285, 61.3134 is the 20% darker color. If you saturate the color by 10%, you get 82.0589, 91.6466, 107.9723, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



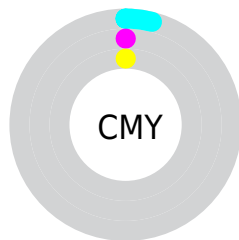
- Red (96%)
- Green (100%)
- Blue (100%)



- Red (96%)
- Yellow (98%)
- Blue (100%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 91.1480, 97.5161, 108.6262 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 91.1480, 97.5161, 108.6262 by changing the saturation by 10% instead.



91.1480, 97.5161,  
108.6262

91.1480, 97.5161,  
108.6262

519.9406,  
552.1890, 608.9903

69.2726, 74.2309,  
82.8670

147.8023,  
157.7362, 175.1170

51.2112, 54.9830,  
61.5404

183.3118,  
195.4398, 216.6856

36.5984, 39.3881,  
44.2281

224.0968,  
238.7184, 264.3610

25.0690, 27.0618,  
30.5113

270.5226,  
287.9563, 318.5619

16.2575, 17.6196,  
19.9717

322.9545,  
343.5379, 379.7067

9.7985, 10.6773,  
12.1906

381.7579,

5.3268, 5.8503,

405.8476, 448.2141

6.7495

447.2982,  
475.2699, 524.5024

■ 2.4770, 2.7542,  
3.2299

■ 0.8837, 1.0048,  
1.2132

■ 91.1480, 97.5161,  
108.6262

■ 91.1480, 97.5161,  
108.6262

■ 82.0589, 91.6466,  
107.9723

95.0500, 100.0000,  
108.9000

■ 74.1541, 86.4006,  
107.3764

■ 67.3828, 81.7546,  
106.8365

■ 61.6876, 77.6791,  
106.3500

■ 57.0062, 74.1417,  
105.9140

■ 53.2696, 71.1069,  
105.5251

■ 50.4002, 68.5346,  
105.1799

■ 48.3080, 66.3784,  
104.8740

■ 46.8832, 64.5816,  
104.6022

# Harmonies

## Analogous

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



90.9337, 97.5161, 106.0674



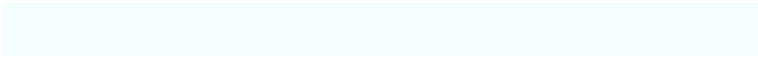
91.1480, 97.5161, 108.6262



91.7737, 97.5161, 110.5558

# Triad

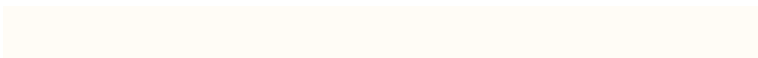
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.1480, 97.5161, 108.6262



94.2022, 97.5161, 108.8217



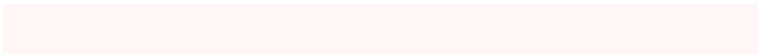
92.7249, 97.5161, 101.2073

# Complementary

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



91.1480, 97.5161, 108.6262



90.6763, 93.7618, 99.7064

# Split Complementary

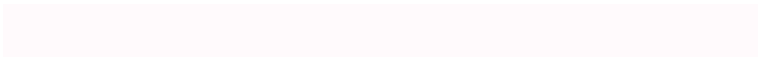
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.6045, 97.5161, 101.9182



91.1480, 97.5161, 108.6262



94.4609, 97.5161, 106.2896

# Square

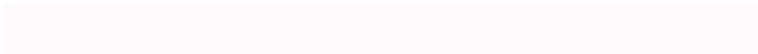
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



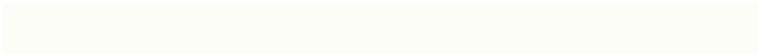
91.1480, 97.5161, 108.6262



93.5369, 97.5161, 110.6700



94.2415, 97.5161, 103.7678



91.8405, 97.5161, 101.8101



# Rectangle

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



91.1480, 97.5161, 108.6262



92.3421, 97.5161, 111.2107



94.2415, 97.5161, 103.7678



93.0310, 97.5161, 101.3004

# Sweetspot

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



91.1505, 97.5201, 108.6269



94.0372, 99.3579, 108.8294



90.0261, 97.5765, 101.1454



20.1385, 21.2735, 23.2947



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

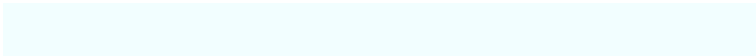


# Same Dimension

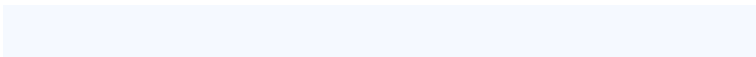
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.1505, 97.5201, 108.6269



90.1107, 96.8553, 108.5533



89.6344, 94.4879, 108.1215



19.1441, 20.6392, 23.2247



24.2284, 33.3665, 54.5980



2.4018, 3.3344, 5.3303



# Inverse Universe

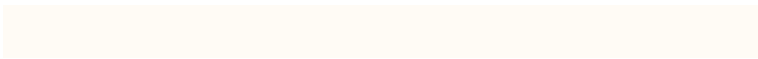
The Inverse Universe completely reimagines the original color for something new.



91.7833, 93.7221, 107.0235



90.9131, 92.0518, 106.5174



92.1671, 96.7434, 100.2033



19.3393, 19.4729, 22.7291



29.0176, 14.0963, 40.3387



2.8469, 1.3812, 4.0414



# Previews

## White Background



This preview shows how the XYZ color 91.1480, 97.5161, 108.6262 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

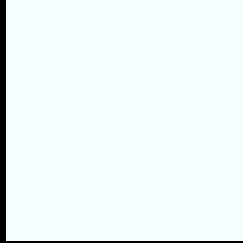
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 91.1480, 97.5161, 108.6262 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

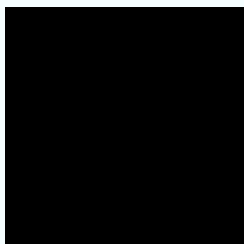
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 91.1480, 97.5161, 108.6262

## Background



This preview shows how black text looks on a background with the XYZ color 91.1480, 97.5161, 108.6262.



This preview shows how white text looks on a background with the XYZ color 91.1480, 97.5161,



# 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**

91.1480, 97.5161, 108.6262

**Protanopia**

93.4668, 97.3462, 106.7920

**Deuteranopia**

93.4668, 97.3462, 106.7920

## **Tritanopia**

92.6441, 97.3500, 108.5153

# Trichromacy

## Original Color

91.1480, 97.5161, 108.6262

## Protanomaly

92.4835, 97.2858, 107.6696

## Deuteranomaly

92.4835, 97.2858, 107.6696

## Tritanomaly

92.2422, 97.6103, 108.5867

# Monochromacy

## Original Color

91.1480, 97.5161, 108.6262

## Achromatopsia

91.6934, 96.4686, 105.0543

## Achromatomaly

91.4480, 96.7888, 105.9577

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 91.1480, 97.5161, 108.6262 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, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 91.1480, 97.5161, 108.6262 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, 254, 255) }
```



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

```
.border{ border-color:rgb(245, 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(245, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 91.1480, 97.5161, 108.6262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 254, 255) }
```

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

```
.background{ background-color: rgb(245,  
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](#).

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