

# Converting Colors

XYZ(94.0511, 100.0000,  
118.0129)

Have a look what the booklet for  
XYZ(94.0511, 100.0000, 118.0129)  
contains.

<b>XYZ(91.8160, 98.3328, 108.7487)</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(91.8160, 98.3328,  
108.7487)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FFFF
RGB	246, 255, 255
RGB Percent	96%, 100%, 100%
CMY	0.0353, 0.0000, 0.0000
CMYK	0.04, 0.00, 0.00, 0.00
HSL	180°, 100%, 98%
HSV	180°, 4%, 100%
XYZ	91.8160, 98.3328, 108.7487
YIQ	252.3090, -5.3640, -1.9080

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 251, 255
Decimal	16187391
CIE <sub>Lab</sub>	99.35, -2.94, -1.04
CIE <sub>LCh</sub>	99, 3.114, 199.421
Y <sub>xy</sub>	98.3328, 0.3072, 0.3290
Android (android.graphics.Color)	4294377471 (0xFFFF6FFF)
YUV	252.3090, 1.3267, -5.5330
Hunter-Lab	99.1629, -8.2600, 4.3926

# Details

The XYZ color 91.8160, 98.3328, 108.7487 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.8311, 93.8265, 100.5132, and the grayscale version is 92.7770, 97.6087, 106.2958.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.6223, 55.4125, 61.4010 is the 20% darker color. If you saturate the color by 10%, you get 83.4773, 94.0341, 108.3584, 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 91.8160, 98.3328, 108.7487 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 91.8160, 98.3328, 108.7487 by changing the saturation by 10% instead.



 91.8160, 98.3328,  
108.7487

 91.8160, 98.3328,  
108.7487


522.0709,  
554.7805, 609.3769

 69.8290, 74.9119,  
82.9692


148.7239,  
158.8611, 175.2854

 51.6663, 55.5408,  
61.6243


184.3756,  
196.7373, 216.8797

 36.9623, 39.8348,  
44.2954


225.3129,  
240.2007, 264.5826

 25.3519, 27.4098,  
30.5639

271.9011,  
289.6358, 318.8129

 16.4695, 17.8812,  
20.0113

324.5057,  
345.4270, 379.9889

 9.9500, 10.8647,  
12.2191

383.4920,

 5.4278, 5.9760,

407.9585, 448.5292

6.7687

449.2253,  
477.6149, 524.8523

■ 2.5377, 2.8305,  
3.2416

■ 0.9143, 1.0439,  
1.2193

■ 91.8160, 98.3328,  
108.7487

■ 91.8160, 98.3328,  
108.7487

■ 83.4773, 94.0341,  
108.3584

95.0500, 100.0000,  
108.9000

■ 76.3161, 90.3423,  
108.0233

■ 70.2800, 87.2306,  
107.7408

■ 65.3119, 84.6694,  
107.5083

■ 61.3495, 82.6268,  
107.3228

■ 58.3244, 81.0672,  
107.1813

■ 56.1593, 79.9511,  
107.0799

■ 54.7649, 79.2323,  
107.0147

■ 54.0324, 78.8546,  
106.9804

# Harmonies

## Analogous

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



91.7468, 98.3328, 106.1471



91.8160, 98.3328, 108.7487



92.3247, 98.3328, 110.9331

# Triad

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



91.8160, 98.3328, 108.7487



94.8025, 98.3328, 110.3726



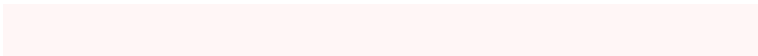
93.7851, 98.3328, 102.1997

# Complementary

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



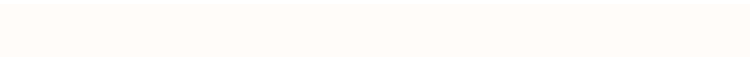
91.8160, 98.3328, 108.7487



90.8311, 93.8265, 100.5132

# 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.



94.6093, 98.3328, 103.2932



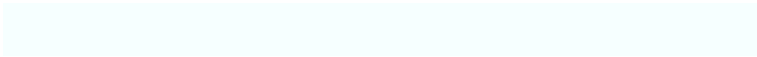
91.8160, 98.3328, 108.7487



95.1992, 98.3328, 107.9937

# Square

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



91.8160, 98.3328, 108.7487



94.0475, 98.3328, 111.8811



95.1283, 98.3328, 105.4041



92.8797, 98.3328, 102.3943



# Rectangle

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



91.8160, 98.3328, 108.7487



92.8465, 98.3328, 111.8454



95.1283, 98.3328, 105.4041



94.0810, 98.3328, 102.4281

# Sweetspot

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



91.8166, 98.3331, 108.7487



94.1181, 99.5196, 108.8564



90.4015, 97.7671, 101.2964



20.1550, 21.3063, 23.3002



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.



91.8166, 98.3331, 108.7487



91.3964, 98.1165, 108.7290



90.3981, 95.4961, 108.2758



19.4202, 20.9276, 23.2658



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

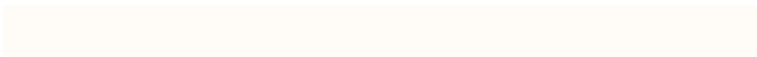
The Inverse Universe completely reimagines the original color for something new.



92.2463, 94.3926, 107.9654



91.8819, 93.6639, 107.8440



92.2163, 96.5968, 100.9749



19.5431, 19.8010, 23.0419



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 91.8160, 98.3328, 108.7487 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

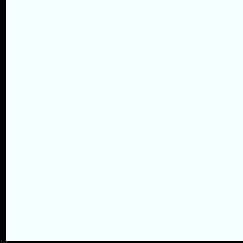
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 91.8160, 98.3328, 108.7487 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

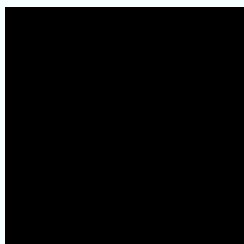
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 91.8160, 98.3328, 108.7487**

## **Background**



This preview shows how black text looks on a background with the XYZ color 91.8160, 98.3328, 108.7487.



This preview shows how white text looks on a background with the XYZ color 91.8160, 98.3328, 108.7487.



# 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

91.8160, 98.3328, 108.7487

### Protanopia

93.7800, 97.9727, 106.8964

### Deuteranopia

93.7800, 97.9727, 106.8964

## **Tritanopia**

93.6833, 98.3532, 108.6542

# Trichromacy

## Original Color

91.8160, 98.3328, 108.7487

## Protanomaly

93.1596, 98.1018, 107.7914

## Deuteranomaly

93.1596, 98.1018, 107.7914

## Tritanomaly

92.9162, 98.4276, 108.7090

# Monochromacy

## Original Color

91.8160, 98.3328, 108.7487

## Achromatopsia

92.5260, 97.3445, 106.0082

## Achromatomaly

92.2792, 97.6664, 106.9164

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 91.8160, 98.3328, 108.7487 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, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 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(246, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 91.8160, 98.3328, 108.7487 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, 255, 255) }
```



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

```
.border{ border-color:rgb(246, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 91.8160, 98.3328, 108.7487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 255) }
```

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

```
.background{ background-color: rgb(246,  
255, 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