

# Converting Colors

XYZ(120.1470, 110.4613,  
101.5407)

Have a look what the booklet for  
XYZ(120.1470, 110.4613, 101.5407)  
contains.

<b>XYZ(91.5971, 95.6039, 100.0119)</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(91.5971, 95.6039,  
100.0119)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9F5
RGB	255, 249, 245
RGB Percent	100%, 98%, 96%
CMY	0.0000, 0.0235, 0.0392
CMYK	0.00, 0.02, 0.04, 0.00
HSL	24°, 100%, 98%
HSV	24°, 4%, 100%
XYZ	91.5971, 95.6039, 100.0119
YIQ	250.3380, 4.8600, 0.0280

# Conversions

## Conversions Part 2

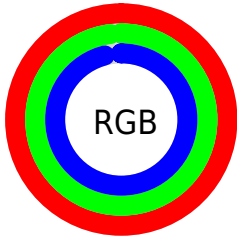
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 252, 245
Decimal	16775669
CIE <sub>Lab</sub>	98.27, 1.31, 2.61
CIE <sub>LCh</sub>	98, 2.923, 63.312
Yxy	95.6039, 0.3189, 0.3329
Android (android.graphics.Color)	4294965749 (0xFFFFF9F5)
YUV	250.3380, -2.6316, 4.0886
Hunter-Lab	97.7772, -3.8925, 7.7990

# Details

The XYZ color 91.5971, 95.6039, 100.0119 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.2026, 95.6245, 108.3109, and the grayscale version is 91.1660, 95.9137, 104.4501.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.5440, 53.8198, 55.8157 is the 20% darker color. If you saturate the color by 10%, you get 83.4352, 85.0865, 79.3905, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

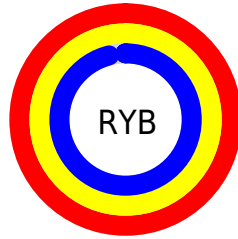
# Distribution



Red (100%)

Green (98%)

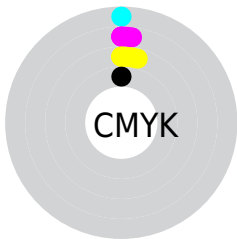
Blue (96%)



Red (100%)

Yellow (99%)

Blue (96%)

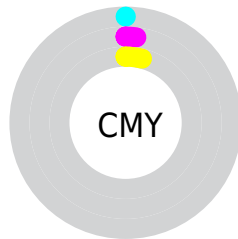


Cyan (0%)

Magenta (2%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 91.5971, 95.6039, 100.0119 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 91.5971, 95.6039, 100.0119 by changing the saturation by 10% instead.




 91.5971, 95.6039,  
100.0119

 91.5971, 95.6039,  
100.0119


521.3734,  
546.0965, 581.4778

 69.6467, 72.6377,  
75.6935


148.4220,  
155.0986, 163.2256

 51.5171, 53.6798,  
55.6761


184.0271,  
192.3960, 202.9579

 36.8430, 38.3457,  
39.5410


224.9146,  
235.2392, 248.6654

 25.2591, 26.2511,  
26.8698

271.4496,  
284.0126, 300.7665

 16.3999, 17.0116,  
17.2439

323.9977,  
339.1006, 359.6797

 9.9002, 10.2428,  
10.2447

382.9241,

 5.3946, 5.5602,

400.8877, 425.8237

5.4538

448.5942,  
469.7582, 499.6169

■ 2.5177, 2.5796,  
2.4526

■ 0.9042, 0.9164,  
0.8149

■ 91.5971, 95.6039,  
100.0119

■ 91.5971, 95.6039,  
100.0119

■ 83.4352, 85.0865,  
79.3905

95.0500, 100.0000,  
108.9000

■ 76.1612, 75.5220,  
61.6030

■ 69.7447, 66.8859,  
46.5257

■ 64.1507, 59.1485,  
34.0230

■ 59.3416, 52.2785,  
23.9478

■ 55.2766, 46.2423,  
16.1379

■ 51.9105, 41.0038,  
10.4107

■ 49.1919, 36.5234,  
6.5550

■ 47.0602, 32.7567,  
4.3132

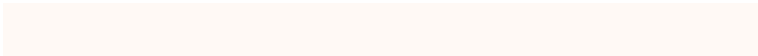
# Harmonies

## Analogous

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



92.2272, 95.6039, 101.5728



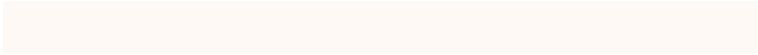
91.5971, 95.6039, 100.0119



90.7752, 95.6039, 99.5396

# Triad

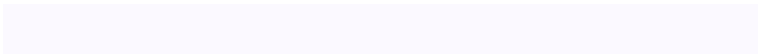
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.5971, 95.6039, 100.0119



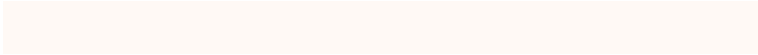
89.2633, 95.6039, 104.3642



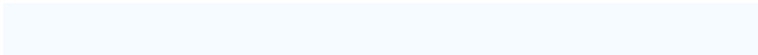
91.7599, 95.6039, 108.0161

# Complementary

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



91.5971, 95.6039, 100.0119



90.2026, 95.6245, 108.3109

# 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.



90.9621, 95.6039, 108.7902



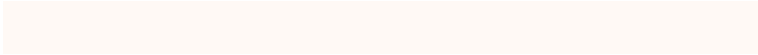
91.5971, 95.6039, 100.0119



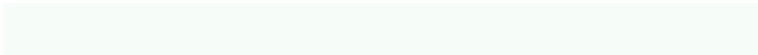
89.5235, 95.6039, 106.6614

# Square

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



91.5971, 95.6039, 100.0119



89.4310, 95.6039, 102.0295



90.1441, 95.6039, 108.2906

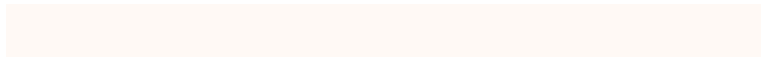


92.3216, 95.6039, 106.1910



# Rectangle

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



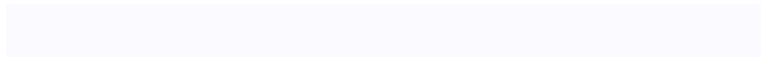
91.5971, 95.6039, 100.0119



90.2300, 95.6039, 99.8996



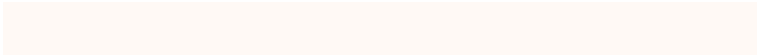
90.1441, 95.6039, 108.2906



91.5103, 95.6039, 108.4091

# Sweetspot

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



91.5992, 95.6078, 100.0139



94.1563, 98.8653, 106.5901



91.3056, 93.5309, 104.5083



20.1628, 21.1732, 22.8390



0.0000, 0.0000, 0.0000

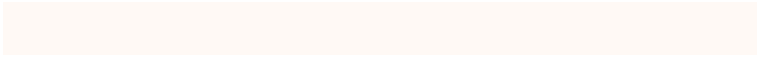


20.3446, 21.4041, 23.3091

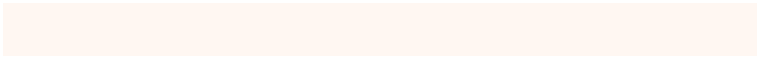


# Same Dimension

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



91.5992, 95.6078, 100.0139



90.6744, 94.4255, 97.6483



93.1636, 98.7364, 100.5354



19.2804, 20.0475, 20.5750



24.1744, 16.3601, 1.8837



2.4572, 1.7998, 0.2179

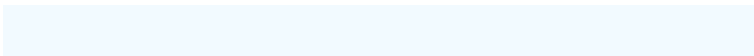


# Inverse Universe

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



90.2026, 95.6245, 108.3109



88.9064, 94.4467, 108.1519



88.6630, 92.5453, 107.7977



18.8508, 20.0526, 23.1269



15.5230, 15.9555, 51.6962

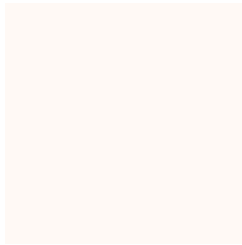


1.6184, 1.7676, 5.0691



# Previews

## White Background



This preview shows how the XYZ color 91.5971, 95.6039, 100.0119 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 91.5971, 95.6039, 100.0119 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

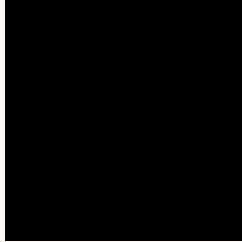
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 91.5971, 95.6039, 100.0119

## Background



This preview shows how black text looks on a background with the XYZ color 91.5971, 95.6039, 100.0119.



This preview shows how white text looks on a background with the XYZ color 91.5971, 95.6039,



# 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

91.5971, 95.6039, 100.0119

### Protanopia

91.5971, 95.6039, 100.0119

### Deuteranopia

92.2146, 95.8509, 103.2634

## **Tritanopia**

92.4337, 95.8540, 108.2376

# Trichromacy

## Original Color

91.5971, 95.6039, 100.0119

## Protanomaly

91.5971, 95.6039, 100.0119

## Deuteranomaly

92.0590, 95.7887, 102.4440

## Tritanomaly

92.1613, 95.7872, 104.8981

# Monochromacy

## Original Color

91.5971, 95.6039, 100.0119

## Achromatopsia

90.8653, 95.5973, 104.1055

## Achromatomaly

91.2738, 95.8440, 102.4960

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 91.5971, 95.6039, 100.0119 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(255, 249, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 245)  
}
```

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(255, 249, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 91.5971, 95.6039, 100.0119 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(255, 249, 245) }
```



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

```
.border{ border-color:rgb(255, 249, 245) }
```

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

Here you see how a box with a 4 pixel rgb(255, 249, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 91.5971, 95.6039, 100.0119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 245) }
```

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

```
.background{ background-color: rgb(255,  
249, 245) }
```

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