

# Converting Colors

XYZ(90.9597, 95.7016, 95.5679)

Have a look what the booklet for XYZ(90.9597, 95.7016, 95.5679) contains.

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# Color

**XYZ(91.0056, 95.8632,  
95.3683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFAEF
RGB	255, 250, 239
RGB Percent	100%, 98%, 94%
CMY	0.0000, 0.0196, 0.0627
CMYK	0.00, 0.02, 0.06, 0.00
HSL	41°, 100%, 97%
HSV	41°, 6%, 100%
XYZ	91.0056, 95.8632, 95.3683
YIQ	250.2410, 6.5110, -2.3610

# Conversions

## Conversions Part 2

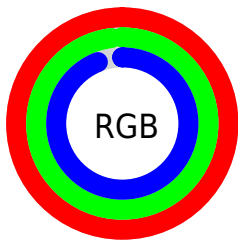
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 255, 239
Decimal	16775919
CIE <sub>Lab</sub>	98.38, -0.20, 5.85
CIE <sub>LCh</sub>	98, 5.849, 91.936
Yxy	95.8632, 0.3224, 0.3397
Android (android.graphics.Color)	4294965999 (0xFFFFFAEF)
YUV	250.2410, -5.5418, 4.1736
Hunter-Lab	97.9098, -5.4291, 10.7858

# Details

The XYZ color 91.0056, 95.8632, 95.3683 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.9966, 90.2698, 107.4991, and the grayscale version is 91.1081, 95.8528, 104.3838.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.1277, 54.0082, 52.5297 is the 20% darker color. If you saturate the color by 10%, you get 85.0799, 89.6214, 76.0997, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

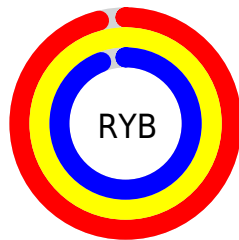
# Distribution



Red (100%)

Green (98%)

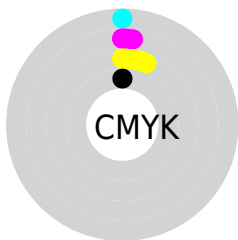
Blue (94%)



Red (96%)

Yellow (100%)

Blue (94%)

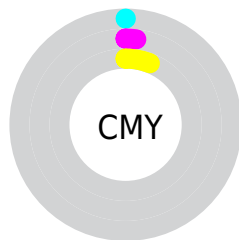


Cyan (0%)

Magenta (2%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 91.0056, 95.8632, 95.3683 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 91.0056, 95.8632, 95.3683 by changing the saturation by 10% instead.



91.0056, 95.8632,  
95.3683

91.0056, 95.8632,  
95.3683

519.4859,  
546.9247, 566.3578

69.1540, 72.8536,  
71.8430

147.6057,  
155.4566, 156.7733

51.1142, 53.8563,  
52.5444

183.0849,  
192.8092, 195.4900

36.5209, 38.4868,  
37.0539

223.8374,  
235.7117, 240.1076

25.0088, 26.3607,  
24.9531

270.2284,  
284.5483, 291.0447

16.2124, 17.0937,  
15.8234

322.6235,  
339.7035, 348.7197

9.7663, 10.3013,  
9.2463

381.3878,

5.3054, 5.5992,

401.5617, 413.5511

4.8032

446.8868,  
470.5074, 485.9577

■ 2.4641, 2.6029,  
2.0755

■ 0.8772, 0.9281,  
0.6012

■ 91.0056, 95.8632,  
95.3683

■ 91.0056, 95.8632,  
95.3683

■ 85.0799, 89.6214,  
76.0997

95.0500, 100.0000,  
108.9000

■ 79.7647, 83.7857,  
59.5462

■ 75.0370, 78.3480,  
45.5846

■ 70.8701, 73.2954,  
34.0798

■ 67.2346, 68.6140,  
24.8844

■ 64.0982, 64.2888,  
17.8351

■ 61.4246, 60.3029,  
12.7470

■ 59.1712, 56.6370,  
9.4036

■ 57.2856, 53.2678,  
7.5353

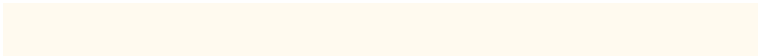
# Harmonies

## Analogous

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



92.6494, 95.8632, 96.3953



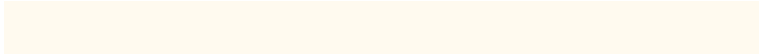
91.0056, 95.8632, 95.3683



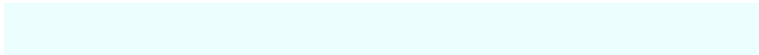
89.4103, 95.8632, 96.6931

# Triad

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



91.0056, 95.8632, 95.3683



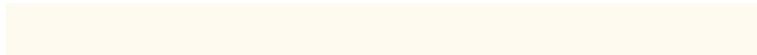
88.3904, 95.8632, 109.3694



94.0070, 95.8632, 108.8098

# Complementary

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



91.0056, 95.8632, 95.3683



85.9966, 90.2698, 107.4991

# Split Complementary

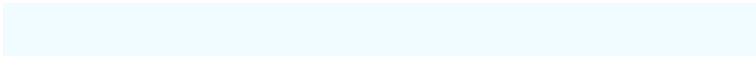
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.8414, 95.8632, 112.4612



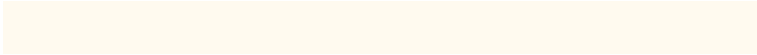
91.0056, 95.8632, 95.3683



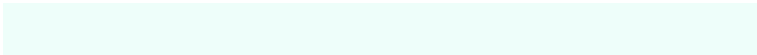
89.5978, 95.8632, 112.7912

# Square

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



91.0056, 95.8632, 95.3683



87.9121, 95.8632, 104.6928



91.2247, 95.8632, 113.9395



94.3950, 95.8632, 104.0653



# Rectangle

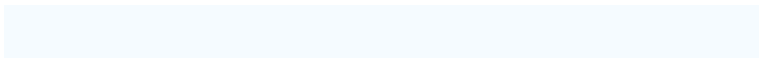
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.0056, 95.8632, 95.3683



88.5855, 95.8632, 98.7562



91.2247, 95.8632, 113.9395



93.6924, 95.8632, 110.2107

# Sweetspot

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



91.0078, 95.8671, 95.3703



93.7339, 98.6643, 104.4641



88.4465, 89.5299, 98.2614



20.0767, 21.1323, 22.4061



0.0000, 0.0000, 0.0000

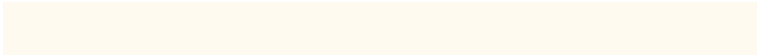


20.3446, 21.4041, 23.3091

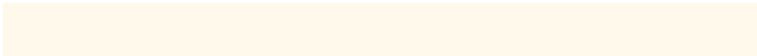


# Same Dimension

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



91.0078, 95.8671, 95.3703



89.9397, 94.7592, 91.8446



91.5094, 98.4601, 95.8444



19.0548, 20.0779, 19.0154



29.7392, 27.4897, 3.7386



2.9932, 2.8719, 0.3966



# Inverse Universe

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



85.9966, 90.2698, 107.4991



83.6248, 87.7058, 107.1291



85.5126, 87.8198, 107.0517



17.4656, 18.3028, 22.8622



11.0317, 6.9729, 50.1991

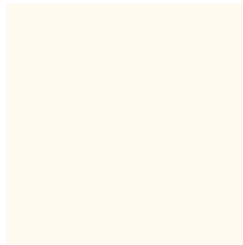


1.1667, 0.8641, 4.9186



# Previews

## White Background



This preview shows how the XYZ color 91.0056, 95.8632, 95.3683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

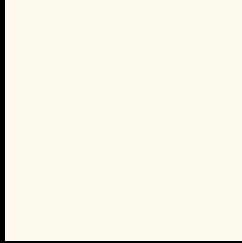
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 91.0056, 95.8632, 95.3683 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

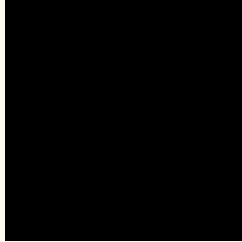
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 91.0056, 95.8632, 95.3683

## Background



This preview shows how black text looks on a background with the XYZ color 91.0056, 95.8632, 95.3683.



This preview shows how white text looks on a background with the XYZ color 91.0056, 95.8632,



# 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**

91.0056, 95.8632, 95.3683

**Protanopia**

91.6033, 96.1023, 98.5156

**Deuteranopia**

92.2146, 95.8509, 103.2634

## **Tritanopia**

92.4337, 95.8540, 108.2376

# Trichromacy



**Original Color**

91.0056, 95.8632, 95.3683

**Protanomaly**

91.4526, 96.0420, 97.7223

**Deuteranomaly**

91.5971, 95.6039, 100.0119

**Tritanomaly**

91.8476, 95.6617, 103.2462

# Monochromacy



**Original Color**

91.0056, 95.8632, 95.3683

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.9650, 95.7205, 100.8703

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 91.0056, 95.8632, 95.3683 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, 250, 239) looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 239)  
}
```

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, 250, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 91.0056, 95.8632, 95.3683 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, 250, 239) }
```



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

```
.border{ border-color:rgb(255, 250, 239) }
```

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

Here you see how a box with a 4 pixel rgb(255, 250, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 91.0056, 95.8632, 95.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 239) }
```

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

```
.background{ background-color: rgb(255,  
250, 239) }
```

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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