

# Converting Colors

XYZ(90.9557, 96.1856, 99.3626)

Have a look what the booklet for  
XYZ(90.9557, 96.1856, 99.3626)  
contains.

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# Color

**XYZ(90.9712, 96.2215,  
99.3659)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFBF4
RGB	252, 251, 244
RGB Percent	99%, 98%, 96%
CMY	0.0118, 0.0157, 0.0431
CMYK	0.00, 0.00, 0.03, 0.01
HSL	53°, 57%, 97%
HSV	53°, 3%, 99%
XYZ	90.9712, 96.2215, 99.3659
YIQ	250.5010, 2.8430, -1.9650

# Conversions

## Conversions Part 2

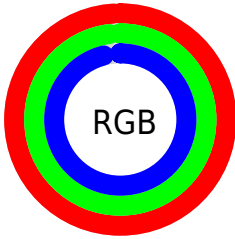
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 252, 244
Decimal	16579572
CIE <sub>Lab</sub>	98.52, -0.87, 3.45
CIE <sub>LCh</sub>	99, 3.563, 104.186
Yxy	96.2215, 0.3175, 0.3358
Android (android.graphics.Color)	4294769652 (0xFFFCFBF4)
YUV	250.5010, -3.2050, 1.3146
Hunter-Lab	98.0926, -6.1208, 8.6051

# Details

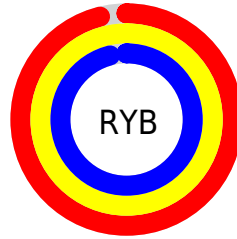
The XYZ color 90.9712, 96.2215, 99.3659 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.5313, 91.5648, 105.1570, and the grayscale version is 91.3072, 96.0622, 104.6118.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.0979, 54.2632, 55.3576 is the 20% darker color. If you saturate the color by 10%, you get 86.4332, 92.8552, 80.2484, and if you desaturate by 10%, it is 93.6821, 98.8891, 108.7577.

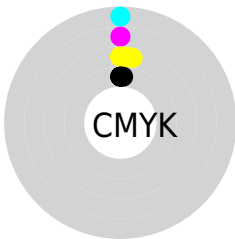
# Distribution



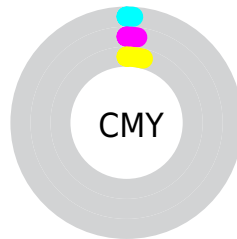
- Red (99%)
- Green (98%)
- Blue (96%)



- Red (96%)
- Yellow (99%)
- Blue (96%)



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



- Cyan (1%)
- Magenta (2%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.9712, 96.2215, 99.3659 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 90.9712, 96.2215, 99.3659 by changing the saturation by 10% instead.



90.9712, 96.2215,  
99.3659

90.9712, 96.2215,  
99.3659

519.3760,  
548.0681, 579.3871

69.1254, 73.1521,  
75.1571

147.5582,  
155.9511, 162.3298

51.0908, 54.1003,  
55.2391

183.0301,  
193.3800, 201.9220

36.5022, 38.6819,  
39.1933

223.7747,  
236.3642, 247.4791

24.9942, 26.5123,  
26.6012

270.1574,  
285.2880, 299.4197

16.2015, 17.2073,  
17.0441

322.5435,  
340.5360, 358.1622

9.7586, 10.3824,  
10.1037

381.2984,

5.3002, 5.6532,

402.4924, 424.1252

5.3612

446.7875,  
471.5416, 497.7274

■ 2.4610, 2.6354,  
2.3983

■ 0.8756, 0.9445,  
0.7855

■ 90.9712, 96.2215,  
99.3659

■ 90.9712, 96.2215,  
99.3659

■ 86.4332, 92.8552,  
80.2484

■ 93.6821, 98.8891,  
108.7577

■ 82.4108, 89.7178,  
63.7784

■ 93.9554, 99.4357,  
108.8488

■ 78.8841, 86.8045,  
49.8395

■ 75.8287, 84.1053,  
38.3040

■ 73.2183, 81.6095,  
29.0331

■ 71.0238, 79.3054,  
21.8739

■ 69.2124, 77.1797,  
16.6545

■ 67.7462, 75.2172,  
13.1760

■ 66.5795, 73.3994,  
11.1970

# Harmonies

## Analogous

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



91.9964, 96.2215, 99.4062



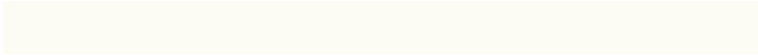
90.9712, 96.2215, 99.3659



90.0823, 96.2215, 100.7543

# Triad

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



90.9712, 96.2215, 99.3659



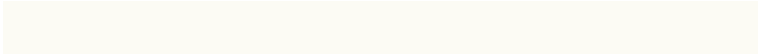
90.0429, 96.2215, 108.7717



93.3743, 96.2215, 106.3221

# Complementary

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



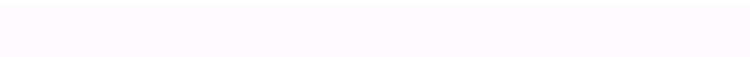
90.9712, 96.2215, 99.3659



87.5313, 91.5648, 105.1570

# 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.



92.8429, 96.2215, 108.8887



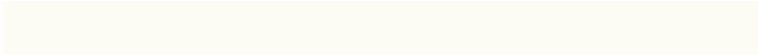
90.9712, 96.2215, 99.3659



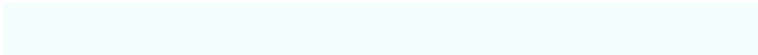
90.9170, 96.2215, 110.3210

# Square

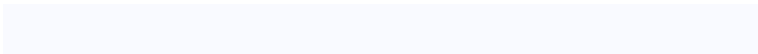
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



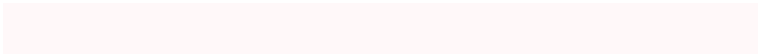
90.9712, 96.2215, 99.3659



89.5491, 96.2215, 106.1649



91.9418, 96.2215, 110.3642

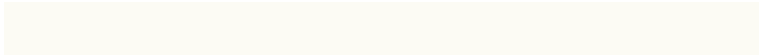


93.3891, 96.2215, 103.3851



# Rectangle

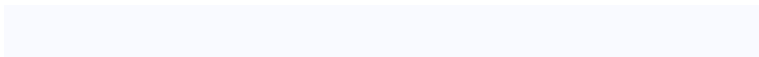
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.9712, 96.2215, 99.3659



89.6845, 96.2215, 102.3185



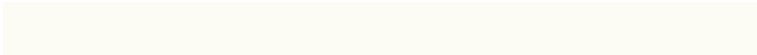
91.9418, 96.2215, 110.3642



93.2500, 96.2215, 107.2580

# Sweetspot

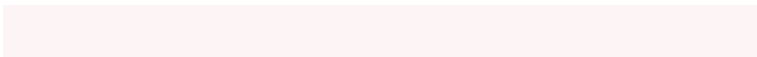
The Sweet Spot groups the original color and five complimentary colors.



90.9739, 96.2257, 99.3680



94.5410, 99.6346, 106.7183



88.9885, 91.9949, 99.5076



20.2410, 21.3298, 22.8651



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

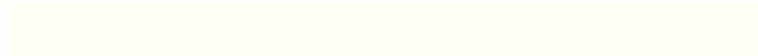


# Same Dimension

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



90.9739, 96.2257, 99.3680



93.0474, 98.5534, 100.3448



90.2315, 96.3057, 99.4226



18.9914, 20.1396, 20.2456



34.4073, 37.7713, 5.4771



3.2368, 3.5984, 0.5240



# Inverse Universe

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



87.5313, 91.5648, 105.1570



88.6132, 92.5501, 107.8013



88.2570, 91.4932, 105.1049



17.9195, 18.6885, 22.0481



9.4687, 4.2930, 48.3031

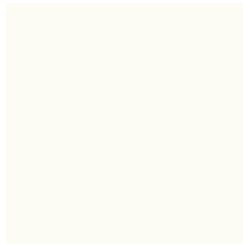


0.9303, 0.5044, 4.4915



# Previews

## White Background



This preview shows how the XYZ color 90.9712, 96.2215, 99.3659 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

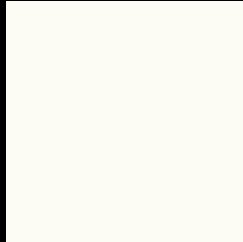
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.9712, 96.2215, 99.3659 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

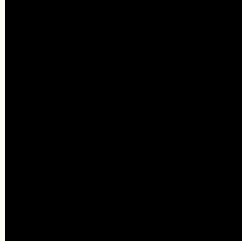
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.9712, 96.2215, 99.3659

## Background



This preview shows how black text looks on a background with the XYZ color 90.9712, 96.2215, 99.3659.



This preview shows how white text looks on a background with the XYZ color 90.9712, 96.2215,



# 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**

90.9712, 96.2215, 99.3659

**Protanopia**

91.9070, 96.2238, 100.1152

**Deuteranopia**

92.3710, 95.9135, 104.0872

## **Tritanopia**

92.3805, 96.2867, 108.3240

# Trichromacy

## Original Color

90.9712, 96.2215, 99.3659

## Protanomaly

91.5401, 96.0346, 100.0981

## Deuteranomaly

92.0019, 96.2194, 102.5301

## Tritanomaly

91.7431, 96.0317, 104.9674

# Monochromacy

## Original Color

90.9712, 96.2215, 99.3659

## Achromatopsia

91.6934, 96.4686, 105.0543

## Achromatomaly

91.2241, 96.2809, 102.5830

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.9712, 96.2215, 99.3659 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(252, 251, 244) looks like.

```
.text, #text, p{  
    color:rgb(252, 251, 244)  
}
```

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(252, 251, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 251, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 90.9712, 96.2215, 99.3659 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(252, 251, 244) }
```



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

```
.border{ border-color:rgb(252, 251, 244) }
```

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

Here you see how a box with a 4 pixel rgb(252, 251, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 251, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 251, 244);  
box-shadow:4px 4px 4px 4px rgb(252, 251,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.9712, 96.2215, 99.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 251, 244) }
```

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

```
.background{ background-color: rgb(252,  
251, 244) }
```

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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