

# Converting Colors

XYZ(90.8990, 95.9302,  
102.5334)

Have a look what the booklet for  
XYZ(90.8990, 95.9302, 102.5334)  
contains.

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# **Color**

**XYZ(90.8648, 96.0957,  
102.5662)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFBF8
RGB	250, 251, 248
RGB Percent	98%, 98%, 97%
CMY	0.0196, 0.0157, 0.0274
CMYK	0.00, 0.00, 0.01, 0.02
HSL	80°, 27%, 98%
HSV	80°, 1%, 98%
XYZ	90.8648, 96.0957, 102.5662
YIQ	250.3590, 0.3670, -1.1450

# Conversions

## Conversions Part 2

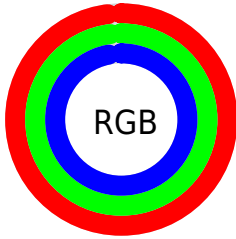
Format	Color
R <sub>Y</sub> B	248, 251, 249
Decimal	16448504
CIE Lab	98.47, -0.85, 1.31
CIE LCh	98, 1.560, 123.032
Yxy	96.0957, 0.3138, 0.3319
Android (android.graphics.Color)	4294638584 (0xFFFAFBF8)
YUV	250.3590, -1.1630, -0.3148
Hunter-Lab	98.0284, -6.0940, 6.5853

# Details

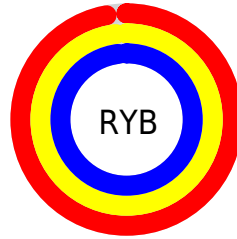
The XYZ color 90.8648, 96.0957, 102.5662 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.0507, 94.2422, 104.7162, and the grayscale version is 91.1747, 95.9228, 104.4600.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.2777, 54.3053, 57.6485 is the 20% darker color. If you saturate the color by 10%, you get 84.2888, 93.1286, 83.2753, and if you desaturate by 10%, it is 93.7891, 97.4781, 108.4797.

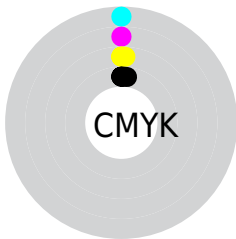
# Distribution



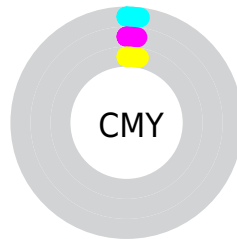
- Red (98%)
- Green (98%)
- Blue (97%)



- Red (97%)
- Yellow (98%)
- Blue (98%)



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)



- Cyan (2%)
- Magenta (2%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.8648, 96.0957, 102.5662 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 90.8648, 96.0957, 102.5662 by changing the saturation by 10% instead.



90.8648, 96.0957,  
102.5662

90.8648, 96.0957,  
102.5662

519.0361,  
547.6668, 589.7060

69.0368, 73.0473,  
77.8166

147.4113,  
155.7775, 166.7618

51.0184, 54.0146,  
57.4078

182.8605,  
193.1796, 207.0449

36.4444, 38.6133,  
40.9212

223.5808,  
236.1351, 253.3430

24.9493, 26.4591,  
27.9383

269.9375,  
285.0284, 306.0745

16.1678, 17.1674,  
18.0405

322.2961,  
340.2438, 365.6580

9.7346, 10.3539,  
10.8093

381.0218,

5.2842, 5.6342,

402.1657, 432.5121

5.8262

446.4800,  
471.1786, 507.0552

■ 2.4514, 2.6240,  
2.6726

■ 0.8708, 0.9387,  
0.9296

■ 90.8648, 96.0957,  
102.5662

■ 90.8648, 96.0957,  
102.5662

■ 84.2888, 93.1286,  
83.2753

■ 93.7891, 97.4781,  
108.4797

■ 78.3439, 90.4261,  
66.6304

■ 73.0090, 87.9828,  
52.5175

■ 68.2588, 85.7881,  
40.8121

■ 64.0658, 83.8310,  
31.3792

■ 60.3999, 82.0991,  
24.0701

■ 57.2276, 80.5789,  
18.7190

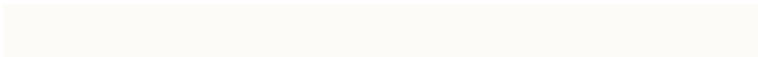
■ 54.5109, 79.2549,  
15.1349

■ 52.2043, 78.1087,  
13.0890

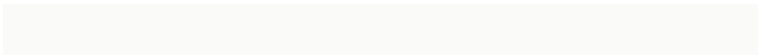
# Harmonies

## Analogous

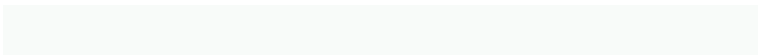
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2903, 96.0957, 102.1745



90.8648, 96.0957, 102.5662



90.5664, 96.0957, 103.5111

# Triad

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



90.8648, 96.0957, 102.5662



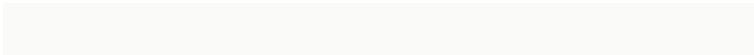
90.9439, 96.0957, 106.8581



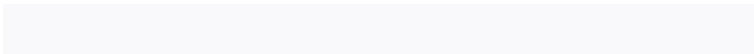
92.2037, 96.0957, 104.5007

# Complementary

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



90.8648, 96.0957, 102.5662



90.0507, 94.2422, 104.7162

# 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.



92.1101, 96.0957, 105.7607



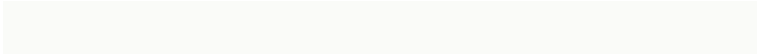
90.8648, 96.0957, 102.5662



91.3819, 96.0957, 107.1283

# Square

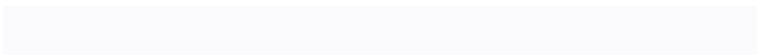
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



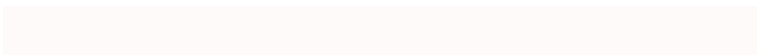
90.8648, 96.0957, 102.5662



90.6119, 96.0957, 105.9898



91.8090, 96.0957, 106.7251

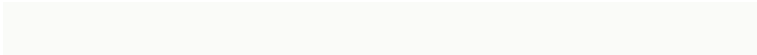


92.0641, 96.0957, 103.2857



# Rectangle

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



90.8648, 96.0957, 102.5662



90.4791, 96.0957, 104.3313



91.8090, 96.0957, 106.7251



92.1984, 96.0957, 104.9331

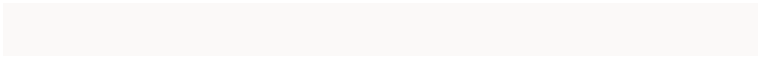
# Sweetspot

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



90.8675, 96.0998, 102.5683

95.0500, 100.0000, 108.9000



90.6061, 95.0411, 102.3777



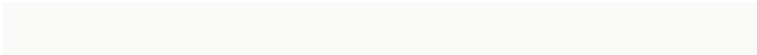
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



90.8675, 96.0998, 102.5683



94.3291, 99.6755, 106.7374



90.3324, 95.8240, 102.5433



19.3358, 20.4271, 21.8933



26.6791, 40.6719, 6.4443

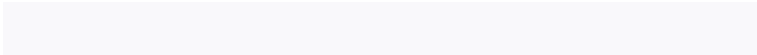


2.5834, 3.8249, 0.6021



# Inverse Universe

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



90.0507, 94.2422, 104.7162



93.6202, 98.0633, 108.6015



90.5872, 94.5188, 104.7413



19.1979, 20.1136, 22.2558



11.2088, 4.7210, 48.2940

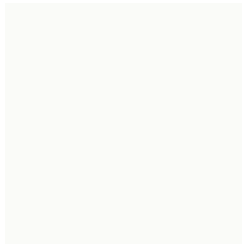


1.1457, 0.4927, 4.4779



# Previews

## White Background



This preview shows how the XYZ color 90.8648, 96.0957, 102.5662 looks on a white background.

## Color Contrast Check

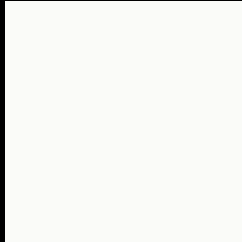
Large Text (above 18pt) WCAG AA × Fail

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 90.8648, 96.0957, 102.5662 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](#).

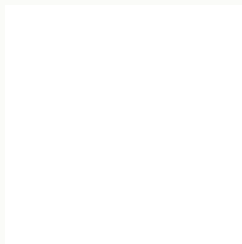


# XYZ 90.8648, 96.0957, 102.5662

## Background



This preview shows how black text looks on a background with the XYZ color 90.8648, 96.0957, 102.5662.



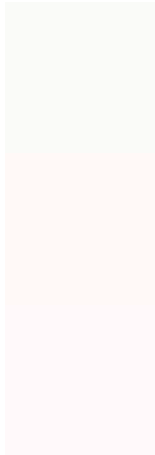
This preview shows how white text looks on a background with the XYZ color 90.8648, 96.0957,



# 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

90.8648, 96.0957, 102.5662

### Protanopia

91.9042, 95.7268, 101.6289

### Deuteranopia

92.3710, 95.9135, 104.0872

## **Tritanopia**

92.0193, 96.1004, 108.3070

# Trichromacy

## Original Color

90.8648, 96.0957, 102.5662

## Protanomaly

91.4821, 95.9693, 101.6980

## Deuteranomaly

91.7925, 96.0934, 103.3324

## Tritanomaly

91.5400, 95.9087, 105.7830

# Monochromacy

## Original Color

90.8648, 96.0957, 102.5662

## Achromatopsia

90.8653, 95.5973, 104.1055

## Achromatomaly

90.7088, 95.5348, 103.2817

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.8648, 96.0957, 102.5662 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(250, 251, 248) looks like.

```
.text, #text, p{  
    color:rgb(250, 251, 248)  
}
```

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(250, 251, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 251, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 90.8648, 96.0957, 102.5662 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(250, 251, 248) }
```

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

```
.border{ border-color:rgb(250, 251, 248) }
```

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

Here you see how a box with a 4 pixel rgb(250, 251, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 251, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 251, 248);  
box-shadow:4px 4px 4px 4px rgb(250, 251,  
248) }
```



# Background

The CSS property to change the background color of an element to XYZ 90.8648, 96.0957, 102.5662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 251, 248) }
```

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

```
.background{ background-color: rgb(250,  
251, 248) }
```

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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