

# Converting Colors

XYZ(102.7452, 100.0000,  
175.1497)

Have a look what the booklet for  
XYZ(102.7452, 100.0000, 175.1497)  
contains.

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# **Color**

**XYZ(90.2416, 95.1840,  
108.2239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FAFF
RGB	246, 250, 255
RGB Percent	96%, 98%, 100%
CMY	0.0353, 0.0196, 0.0000
CMYK	0.04, 0.02, 0.00, 0.00
HSL	213°, 100%, 98%
HSV	213°, 4%, 100%
XYZ	90.2416, 95.1840, 108.2239
YIQ	249.3740, -3.9890, 0.7070

# Conversions

## Conversions Part 2

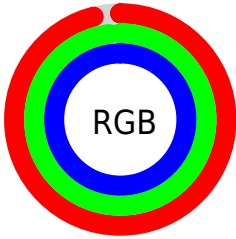
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 249, 255
Decimal	16186111
CIE Lab	98.11, -0.41, -2.86
CIE LCh	98, 2.889, 261.773
Yxy	95.1840, 0.3073, 0.3241
Android (android.graphics.Color)	4294376191 (0xFF6FAFF)
YUV	249.3740, 2.7736, -2.9590
Hunter-Lab	97.5623, -5.6279, 2.5244

# Details

The XYZ color 90.2416, 95.1840, 108.2239 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.3707, 96.9058, 101.0264, and the grayscale version is 90.3325, 95.0369, 103.4951.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.7200, 53.6079, 61.1002 is the 20% darker color. If you saturate the color by 10%, you get 77.6704, 82.4202, 106.4228, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

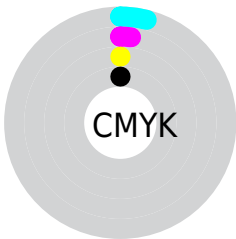
# Distribution



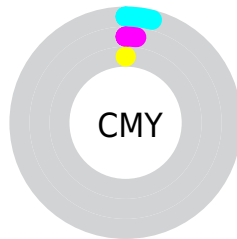
- Red (96%)
- Green (98%)
- Blue (100%)



- Red (96%)
- Yellow (98%)
- Blue (100%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.2416, 95.1840, 108.2239 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 90.2416, 95.1840, 108.2239 by changing the saturation by 10% instead.



90.2416, 95.1840,  
108.2239

90.2416, 95.1840,  
108.2239

517.0426,  
544.7539, 607.7201

68.5180, 72.2881,  
82.5311

146.5506,  
154.5188, 174.5637

50.5945, 53.3941,  
61.2651

181.8667,  
191.7265, 216.0479

36.1057, 38.1175,  
44.0072

222.4443,  
234.4736, 263.6329

24.6863, 26.0739,  
30.3389

268.6487,  
283.1445, 317.7374

15.9710, 16.8789,  
19.8417

320.8455,  
338.1236, 378.7798

9.5943, 10.1482,  
12.0971

379.3998,

5.1910, 5.4973,

399.7952, 447.1786

6.6865

444.6771,  
468.5439, 523.3526

■ 2.3957, 2.5419,  
3.1914

■ 0.8430, 0.8976,  
1.1932

■ 90.2416, 95.1840,  
108.2239

■ 90.2416, 95.1840,  
108.2239

■ 77.6704, 82.4202,  
106.4228

95.0500, 100.0000,  
108.9000

■ 66.5977, 70.9055,  
104.7838

■ 56.9656, 60.6017,  
103.3026

■ 48.7090, 51.4637,  
101.9740

■ 41.7579, 43.4436,  
100.7923

■ 36.0353, 36.4892,  
99.7516

■ 31.4554, 30.5433,  
98.8453

■ 27.9196, 25.5416,  
98.0662

■ 25.3093, 21.4086,  
97.4061

# Harmonies

## Analogous

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



89.4867, 95.1840, 107.2674



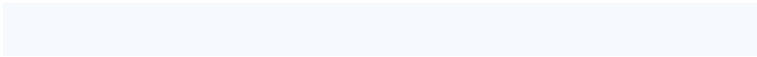
90.2416, 95.1840, 108.2239



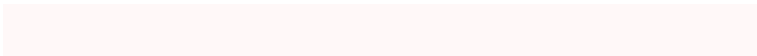
91.0622, 95.1840, 107.9373

# Triad

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



90.2416, 95.1840, 108.2239



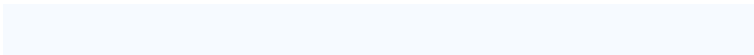
91.9581, 95.1840, 101.9549



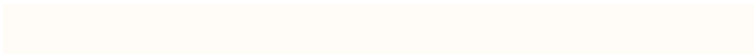
89.2230, 95.1840, 100.8396

# Complementary

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



90.2416, 95.1840, 108.2239



92.3707, 96.9058, 101.0264

# Split Complementary

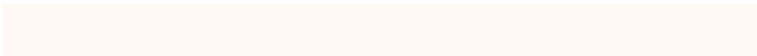
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8795, 95.1840, 99.4568



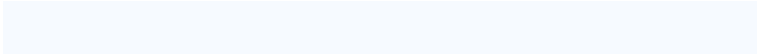
90.2416, 95.1840, 108.2239



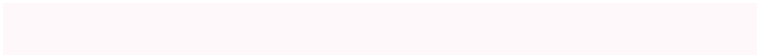
91.4596, 95.1840, 100.0938

# Square

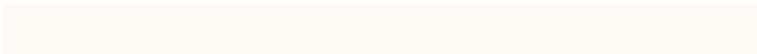
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



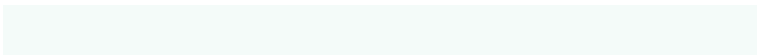
90.2416, 95.1840, 108.2239



92.0565, 95.1840, 104.2939



90.6979, 95.1840, 99.1858

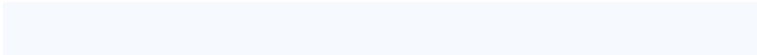


88.9009, 95.1840, 102.9872



# Rectangle

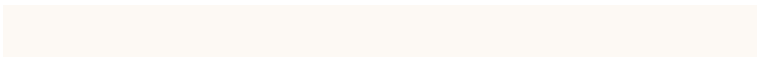
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



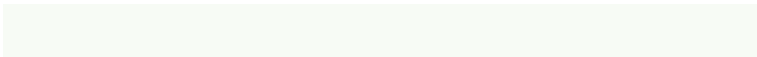
90.2416, 95.1840, 108.2239



91.5357, 95.1840, 107.0817



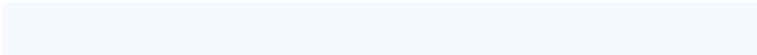
90.6979, 95.1840, 99.1858



89.4117, 95.1840, 100.2713

# Sweetspot

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



90.2440, 95.1879, 108.2245



93.6682, 98.6199, 108.7064



91.1715, 98.0751, 105.3512



20.0634, 21.1233, 23.2697



0.0000, 0.0000, 0.0000

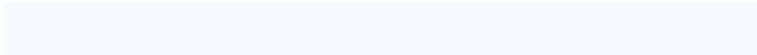


20.3446, 21.4041, 23.3091



# Same Dimension

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



90.2440, 95.1879, 108.2245



89.6169, 94.5575, 108.1358



89.1709, 92.8072, 107.8215



18.9690, 20.0251, 23.1154



12.6881, 10.2857, 50.7512

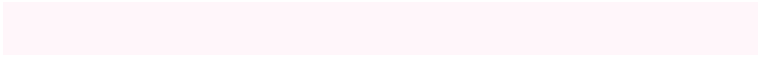


1.3423, 1.2154, 4.9771



# Inverse Universe

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



91.4525, 94.0751, 103.7855



90.9837, 93.3046, 103.1141



93.4695, 99.3487, 101.4400



19.3153, 19.7099, 21.8425



23.1926, 11.7663, 9.6644

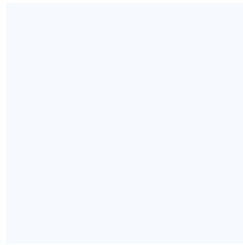


2.3122, 1.1672, 1.2252



# Previews

## White Background



This preview shows how the XYZ color 90.2416, 95.1840, 108.2239 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

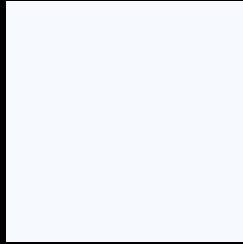
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.2416, 95.1840, 108.2239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

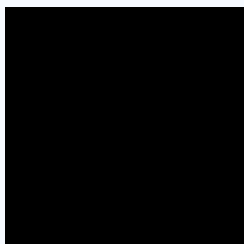
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

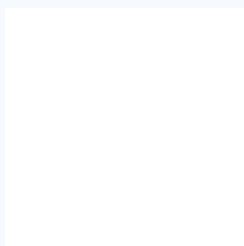
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 90.2416, 95.1840, 108.2239

## Background



This preview shows how black text looks on a background with the XYZ color 90.2416, 95.1840, 108.2239.



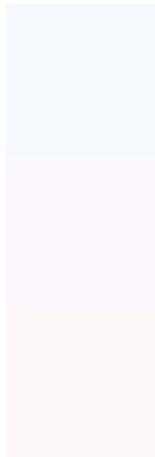
This preview shows how white text looks on a background with the XYZ color 90.2416, 95.1840,



# 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

90.2416, 95.1840, 108.2239

### Protanopia

91.6017, 94.9860, 107.2721

### Deuteranopia

92.2200, 95.3598, 104.8126

## **Tritanopia**

90.9926, 95.1111, 108.1702

# Trichromacy

## Original Color

90.2416, 95.1840, 108.2239

## Protanomaly

91.1894, 95.2311, 107.3412

## Deuteranomaly

91.5913, 95.4751, 105.6966

## Tritanomaly

90.6371, 94.9278, 108.1536

# Monochromacy

## Original Color

90.2416, 95.1840, 108.2239

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

89.9997, 94.6729, 104.7970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.2416, 95.1840, 108.2239 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, 250, 255) looks like.

```
.text, #text, p{  
    color:rgb(246, 250, 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, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 250, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 90.2416, 95.1840, 108.2239 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, 250, 255) }
```



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

```
.border{ border-color:rgb(246, 250, 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, 250, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 250,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.2416, 95.1840, 108.2239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 250, 255) }
```

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

```
.background{ background-color: rgb(246,  
250, 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](#).

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