

# Converting Colors

XYZ(90.0319, 95.0794,  
107.4249)

Have a look what the booklet for  
XYZ(90.0319, 95.0794, 107.4249)  
contains.

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# **Color**

**XYZ(90.0810, 95.1198,  
107.3781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FAFE
RGB	246, 250, 254
RGB Percent	96%, 98%, 100%
CMY	0.0353, 0.0196, 0.0039
CMYK	0.03, 0.02, 0.00, 0.00
HSL	210°, 80%, 98%
HSV	210°, 3%, 100%
XYZ	90.0810, 95.1198, 107.3781
YIQ	249.2600, -3.6680, 0.3960

# Conversions

## Conversions Part 2

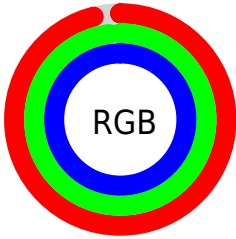
Format	Color
R <sub>Y</sub> B	246, 249, 254
Decimal	16186110
CIE Lab	98.08, -0.59, -2.38
CIE LCh	98, 2.455, 255.987
Yxy	95.1198, 0.3079, 0.3251
Android (android.graphics.Color)	4294376190 (0xFFFF6FAFE)
YUV	249.2600, 2.3368, -2.8590
Hunter-Lab	97.5294, -5.8086, 2.9933

# Details

The XYZ color 90.0810, 95.1198, 107.3781 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.6933, 96.0947, 100.9055, and the grayscale version is 90.2422, 94.9418, 103.3917.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.6050, 53.5619, 60.4946 is the 20% darker color. If you saturate the color by 10%, you get 77.9639, 83.2188, 105.7211, and if you desaturate by 10%, it is 94.8897, 99.9359, 108.0557.

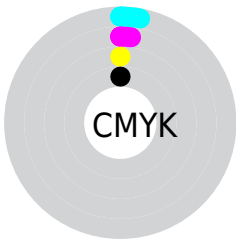
# Distribution



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



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



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.0810, 95.1198, 107.3781 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 90.0810, 95.1198, 107.3781 by changing the saturation by 10% instead.



90.0810, 95.1198,  
107.3781

90.0810, 95.1198,  
107.3781

516.5283,  
544.5484, 605.0449

68.3843, 72.2347,  
81.8253

146.3287,  
154.4301, 173.4000

50.4853, 53.3504,  
60.6866

181.6104,  
191.6241, 214.7062

36.0185, 38.0826,  
43.5434

222.1512,  
234.3565, 262.1006

24.6187, 26.0468,  
29.9771

268.3163,  
283.0117, 316.0018

15.9204, 16.8586,  
19.5693

320.4713,  
337.9741, 376.8283

9.5583, 10.1338,  
11.9014

378.9813,

5.1671, 5.4877,

399.6281, 444.9986

6.5549

444.2119,  
468.3581, 520.9313

■ 2.3814, 2.5362,  
3.1111

■ 0.8358, 0.8947,  
1.1516

■ 90.0810, 95.1198,  
107.3781

■ 90.0810, 95.1198,  
107.3781

■ 77.9639, 83.2188,  
105.7211

94.8897, 99.9359,  
108.0557

■ 67.2733, 72.4366,  
104.2033

■ 57.9541, 62.7394,  
102.8228

■ 49.9444, 54.0872,  
101.5749

■ 43.1771, 46.4370,  
100.4549

■ 37.5787, 39.7421,  
99.4577

■ 33.0671, 33.9510,  
98.5777


■ 29.5478, 29.0057,  
97.8087

■ 26.9075, 24.8376,  
97.1433


# Harmonies

## Analogous

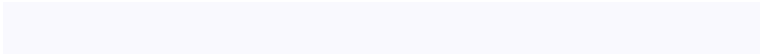
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4708, 95.1198, 106.3837



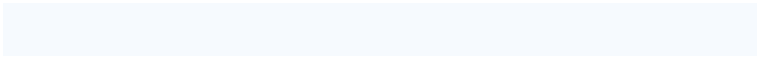
90.0810, 95.1198, 107.3781



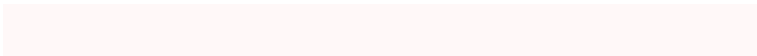
90.7820, 95.1198, 107.3427

# Triad

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



90.0810, 95.1198, 107.3781



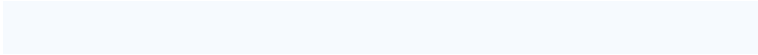
91.7166, 95.1198, 102.5047



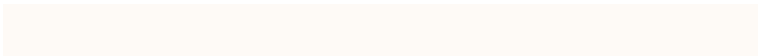
89.4381, 95.1198, 100.8978

# Complementary

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



90.0810, 95.1198, 107.3781



91.6933, 96.0947, 100.9055

# Split Complementary

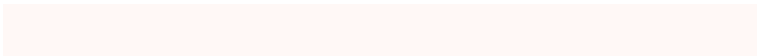
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.0360, 95.1198, 99.8854



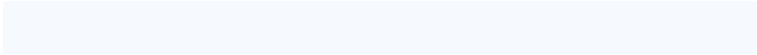
90.0810, 95.1198, 107.3781



91.3527, 95.1198, 100.8049

# Square

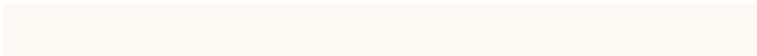
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0810, 95.1198, 107.3781



91.7288, 95.1198, 104.5113



90.7368, 95.1198, 99.8516



89.1009, 95.1198, 102.6330



# Rectangle

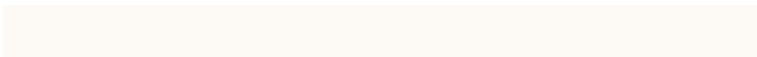
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.0810, 95.1198, 107.3781



91.2066, 95.1198, 106.7393



90.7368, 95.1198, 99.8516



89.6151, 95.1198, 100.4626

# Sweetspot

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



90.0837, 95.1239, 107.3802



93.7131, 98.7096, 108.7214



90.6837, 97.3717, 104.3494



20.0726, 21.1415, 23.2727



0.0000, 0.0000, 0.0000

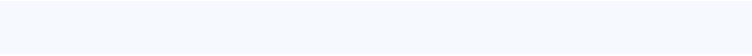


20.3446, 21.4041, 23.3091

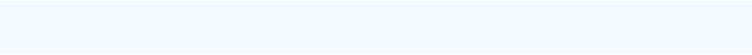


# Same Dimension

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



90.0837, 95.1239, 107.3802



89.7926, 94.9089, 108.1944



88.8931, 92.7427, 106.9833



19.0134, 20.1140, 23.1302



13.5893, 12.0882, 51.0516



1.4324, 1.3954, 5.0071



# Inverse Universe

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



91.0862, 93.8862, 103.7684



91.0724, 93.3401, 103.5811



92.9085, 98.5252, 101.3106



19.3377, 19.7189, 21.9606



23.6475, 11.9483, 12.0599

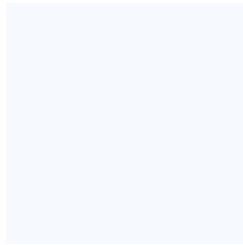


2.3576, 1.1854, 1.4645



# Previews

## White Background



This preview shows how the XYZ color 90.0810, 95.1198, 107.3781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

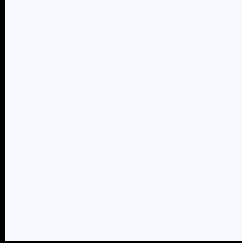
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.0810, 95.1198, 107.3781 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

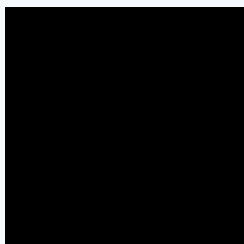
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

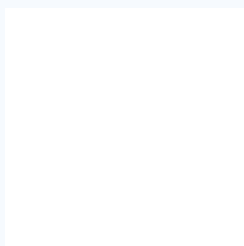
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 90.0810, 95.1198, 107.3781

## Background



This preview shows how black text looks on a background with the XYZ color 90.0810, 95.1198, 107.3781.



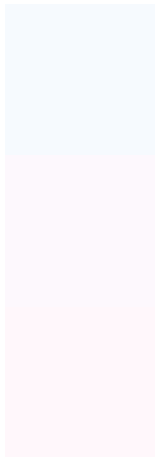
This preview shows how white text looks on a background with the XYZ color 90.0810, 95.1198,



# 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

90.0810, 95.1198, 107.3781

### Protanopia

91.8050, 95.1093, 106.4478

### Deuteranopia

91.9134, 94.7466, 104.7103

## **Tritanopia**

90.9926, 95.1111, 108.1702

# Trichromacy



**Original Color**

90.0810, 95.1198, 107.3781

**Protanomaly**

91.0296, 95.1672, 106.4998

**Deuteranomaly**

91.2830, 94.8585, 105.5939

**Tritanomaly**

90.6371, 94.9278, 108.1536

# Monochromacy



**Original Color**

90.0810, 95.1198, 107.3781

**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 90.0810, 95.1198, 107.3781 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, 254) looks like.

```
.text, #text, p{  
    color:rgb(246, 250, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 250, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 90.0810, 95.1198, 107.3781 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, 254) }
```



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

```
.border{ border-color:rgb(246, 250, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 250, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 250, 254);  
box-shadow:4px 4px 4px 4px rgb(246, 250,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.0810, 95.1198, 107.3781 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, 254) }
```

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

```
.background{ background-color: rgb(246,  
250, 254) }
```

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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