

# Converting Colors

XYZ(99.3673, 100.0000,  
155.3359)

Have a look what the booklet for  
XYZ(99.3673, 100.0000, 155.3359)  
contains.

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# **Color**

**XYZ(90.1686, 96.0739,  
108.3995)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4FCFF
RGB	244, 252, 255
RGB Percent	96%, 99%, 100%
CMY	0.0431, 0.0117, 0.0000
CMYK	0.04, 0.01, 0.00, 0.00
HSL	196°, 100%, 98%
HSV	196°, 4%, 100%
XYZ	90.1686, 96.0739, 108.3995
YIQ	249.9500, -5.7310, -0.7630

# Conversions

## Conversions Part 2

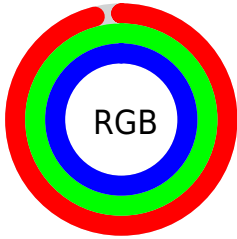
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	244, 249, 255
Decimal	16055551
CIE Lab	98.46, -2.07, -2.36
CIE LCh	98, 3.139, 228.642
Yxy	96.0739, 0.3060, 0.3261
Android (android.graphics.Color)	4294245631 (0xFFFF4FCFF)
YUV	249.9500, 2.4897, -5.2181
Hunter-Lab	98.0173, -7.3236, 3.0420

# Details

The XYZ color 90.1686, 96.0739, 108.3995 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.8289, 94.3108, 99.0059, and the grayscale version is 90.8107, 95.5400, 104.0430.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.4472, 53.7988, 61.1514 is the 20% darker color. If you saturate the color by 10%, you get 79.7854, 87.5463, 107.3007, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

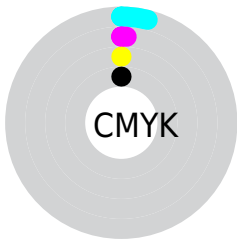
# Distribution



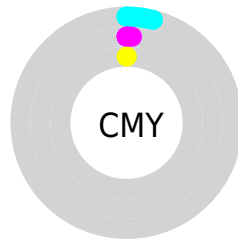
- Red (96%)
- Green (99%)
- Blue (100%)



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



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.1686, 96.0739, 108.3995 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 90.1686, 96.0739, 108.3995 by changing the saturation by 10% instead.



90.1686, 96.0739,  
108.3995

90.1686, 96.0739,  
108.3995

516.8089,  
547.5973, 608.2747

68.4572, 73.0291,  
82.6777

146.4497,  
155.7474, 174.8052

50.5448, 53.9998,  
61.3852

181.7502,  
193.1449, 216.3263

36.0661, 38.6015,  
44.1036

222.3110,  
236.0954, 263.9508

24.6556, 26.4498,  
30.4141

268.4977,  
284.9834, 318.0973

15.9480, 17.1605,  
19.8984

320.6754,  
340.1931, 379.1845

9.5780, 10.3490,  
12.1379

379.2096,

5.1802, 5.6309,

402.1091, 447.6307

6.7140

444.4657,  
471.1157, 523.8546

■ 2.3892, 2.6220,  
3.2082

■ 0.8397, 0.9377,  
1.2019

■ 90.1686, 96.0739,  
108.3995

■ 90.1686, 96.0739,  
108.3995

■ 79.7854, 87.5463,  
107.3007

95.0500, 100.0000,  
108.9000

■ 70.6527, 79.7776,  
106.2826

■ 62.7187, 72.7426,  
105.3428

■ 55.9251, 66.4099,  
104.4786

■ 50.2083, 60.7455,  
103.6865

■ 45.4984, 55.7119,  
102.9632

■ 41.7164, 51.2672,  
102.3046

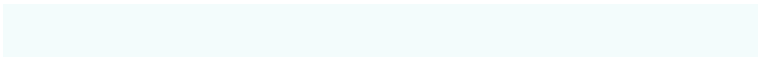
■ 38.7710, 47.3628,  
101.7062

■ 36.5501, 43.9396,  
101.1625

# Harmonies

## Analogous

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



89.6739, 96.0739, 106.2118



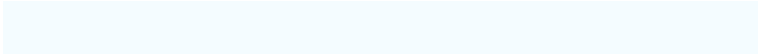
90.1686, 96.0739, 108.3995



90.9726, 96.0739, 109.5784

# Triad

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



90.1686, 96.0739, 108.3995



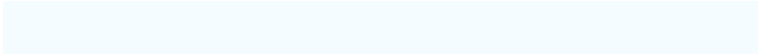
93.0347, 96.0739, 105.5942



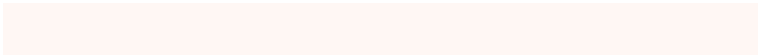
90.7594, 96.0739, 99.9496

# Complementary

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



90.1686, 96.0739, 108.3995



90.8289, 94.3108, 99.0059

# Split Complementary

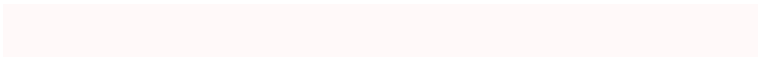
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.6590, 96.0739, 99.7905



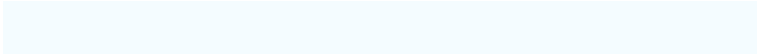
90.1686, 96.0739, 108.3995



92.9767, 96.0739, 103.0208

# Square

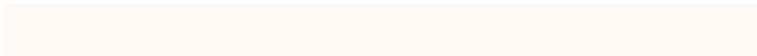
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.1686, 96.0739, 108.3995



92.6298, 96.0739, 107.9410



92.4718, 96.0739, 100.9062



90.0134, 96.0739, 101.3446



# Rectangle

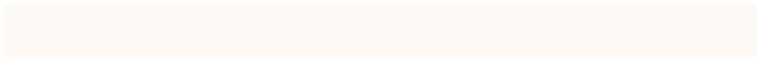
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1686, 96.0739, 108.3995



91.5775, 96.0739, 109.6208



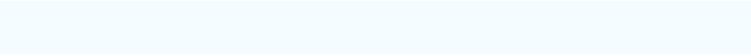
92.4718, 96.0739, 100.9062



91.0537, 96.0739, 99.7507

# Sweetspot

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



90.1711, 96.0779, 108.4001



93.8970, 99.0774, 108.7827



89.8472, 97.4648, 102.0199



20.1100, 21.2164, 23.2852



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

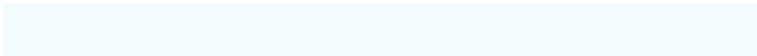


# Same Dimension

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



90.1711, 96.0779, 108.4001



89.4165, 95.4668, 108.3219



88.4876, 92.7110, 107.8390



18.9749, 20.3009, 23.1683



18.6908, 22.2912, 52.7521



1.9108, 2.3523, 5.1666



# Inverse Universe

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



91.1628, 92.9911, 105.2446



90.5627, 91.9116, 104.6721



92.5162, 97.6853, 99.5684



19.2539, 19.4388, 22.2794



26.2224, 12.9783, 25.6196



2.5991, 1.2820, 2.7362



# Previews

## White Background



This preview shows how the XYZ color 90.1686, 96.0739, 108.3995 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

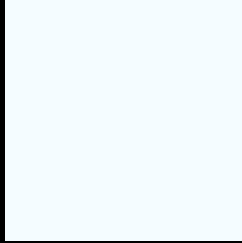
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.1686, 96.0739, 108.3995 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

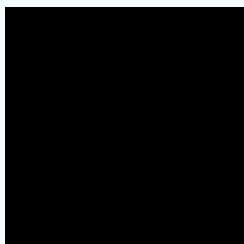
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

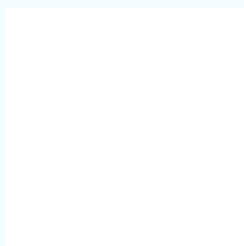
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 90.1686, 96.0739, 108.3995

## Background



This preview shows how black text looks on a background with the XYZ color 90.1686, 96.0739, 108.3995.



This preview shows how white text looks on a background with the XYZ color 90.1686, 96.0739,



# 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

A vertical bar on the left side of the page is divided into three colored sections: a light blue top section, a light pink middle section, and a light red bottom section. These sections correspond to the color simulation results listed to their right.

### Original Color

90.1686, 96.0739, 108.3995

### Protanopia

92.4784, 95.9140, 106.5676

### Deuteranopia

92.6864, 96.0396, 105.7479

## **Tritanopia**

91.6599, 95.9152, 108.2902

# Trichromacy



**Original Color**

90.1686, 96.0739, 108.3995

**Protanomaly**

91.4993, 95.8510, 107.4445

**Deuteranomaly**

91.6989, 95.9723, 106.6200

**Tritanomaly**

91.2586, 96.1708, 108.3607

# Monochromacy



**Original Color**

90.1686, 96.0739, 108.3995

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.7793, 95.9791, 105.8367

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.1686, 96.0739, 108.3995 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(244, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 252, 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(244, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 252, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 90.1686, 96.0739, 108.3995 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(244, 252, 255) }
```



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

```
.border{ border-color:rgb(244, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 252,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.1686, 96.0739, 108.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 252, 255) }
```

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

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