

# Converting Colors

XYZ(99.3594, 100.0000,  
168.9077)

Have a look what the booklet for  
XYZ(99.3594, 100.0000, 168.9077)  
contains.

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# Color

**XYZ(87.7674, 95.3034,  
108.3773)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECFDFF
RGB	236, 253, 255
RGB Percent	93%, 99%, 100%
CMY	0.0745, 0.0078, 0.0000
CMYK	0.07, 0.01, 0.00, 0.00
HSL	186°, 100%, 96%
HSV	186°, 7%, 100%
XYZ	87.7674, 95.3034, 108.3773
YIQ	248.1450, -10.7740, -2.9820

# Conversions

## Conversions Part 2

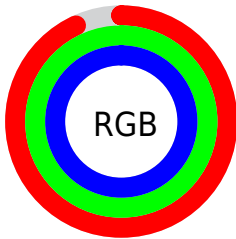
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 245, 255
Decimal	15531519
CIE Lab	98.15, -5.15, -2.87
CIE LCh	98, 5.898, 209.132
Yxy	95.3034, 0.3011, 0.3270
Android (android.graphics.Color)	4293721599 (0xFFECCDFF)
YUV	248.1450, 3.3795, -10.6512
Hunter-Lab	97.6235, -10.3624, 2.5153

# Details

The XYZ color **87.7674, 95.3034, 108.3773** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.9542, 88.4634, 91.8508**, and the grayscale version is **89.3234, 93.9752, 102.3390**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7554, 53.2604, 61.1367** is the 20% darker color. If you saturate the color by 10%, you get **79.0593, 89.5710, 107.7298**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

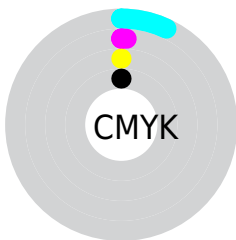
# Distribution



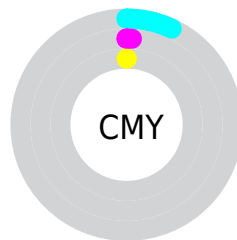
- Red (93%)
- Green (99%)
- Blue (100%)



- Red (93%)
- Yellow (96%)
- Blue (100%)



- Cyan (7%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (1%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.7674, 95.3034, 108.3773 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 87.7674, 95.3034, 108.3773 by changing the saturation by 10% instead.




 87.7674, 95.3034,  
108.3773

 87.7674, 95.3034,  
108.3773


509.0880,  
545.1358, 608.2046

 66.4606, 72.3875,  
82.6592


143.1275,  
154.6837, 174.7747

 48.9155, 53.4753,  
61.3700


177.9115,  
191.9169, 216.2911

 34.7667, 38.1823,  
44.0914


217.9185,  
234.6913, 263.9106

 23.6489, 26.1242,  
30.4046

263.5141,  
283.3914, 318.0518

 15.1967, 16.9166,  
19.8913

315.0635,  
338.4015, 379.1333

 9.0448, 10.1750,  
12.1327

372.9320,

 4.8277, 5.5152,

400.1060, 447.5736

6.7105

437.4851,  
468.8893, 523.7912

■ 2.1803, 2.5526,  
3.2060

■ 0.7323, 0.9029,  
1.2008

■ 87.7674, 95.3034,  
108.3773

■ 87.7674, 95.3034,  
108.3773

■ 79.0593, 89.5710,  
107.7298

95.0500, 100.0000,  
108.9000

■ 71.5184, 84.4552,  
107.1398

■ 65.0925, 79.9316,  
106.6053

■ 59.7225, 75.9698,  
106.1237

■ 55.3440, 72.5364,  
105.6917

■ 51.8851, 69.5944,  
105.3062

■ 49.2647, 67.1018,  
104.9632

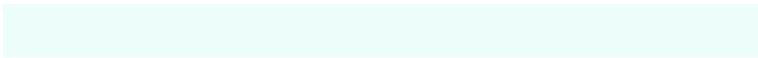
■ 47.3867, 65.0091,  
104.6582

■ 46.1263, 63.2517,  
104.3854

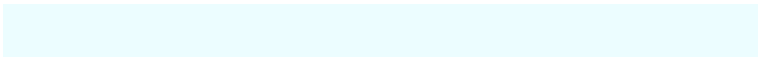
# Harmonies

## Analogous

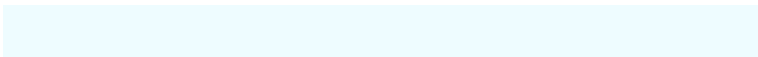
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3649, 95.3034, 103.6280



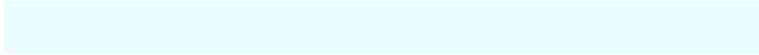
87.7674, 95.3034, 108.3773



88.9221, 95.3034, 111.9844

# Triad

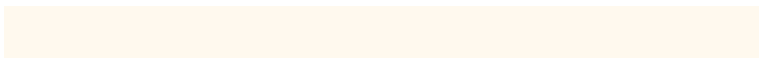
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7674, 95.3034, 108.3773



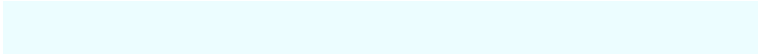
93.4079, 95.3034, 108.6294



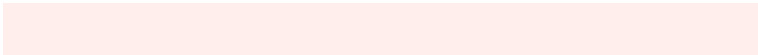
90.6324, 95.3034, 94.7181

# Complementary

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



87.7674, 95.3034, 108.3773



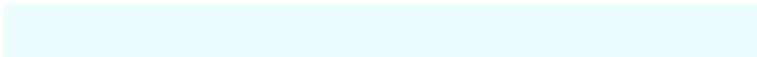
86.9542, 88.4634, 91.8508

# 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.



92.2645, 95.3034, 95.9660



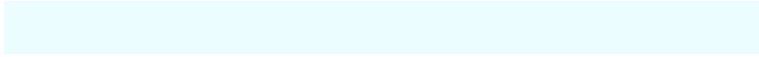
87.7674, 95.3034, 108.3773



93.8792, 95.3034, 103.9106

# Square

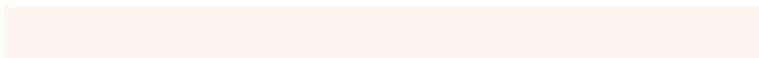
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7674, 95.3034, 108.3773



92.1781, 95.3034, 112.1331



93.4582, 95.3034, 99.2936

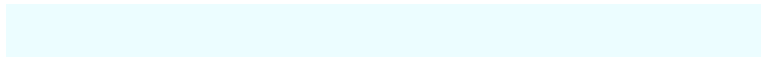


89.0065, 95.3034, 95.8319



# Rectangle

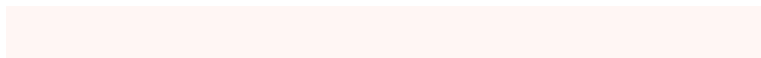
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7674, 95.3034, 108.3773



89.9702, 95.3034, 113.2030



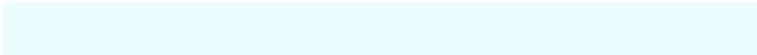
93.4582, 95.3034, 99.2936



91.1986, 95.3034, 94.8746

# Sweetspot

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



87.7699, 95.3073, 108.3779



93.0279, 98.7044, 108.7565



85.7710, 95.5205, 94.7302



19.9330, 21.1404, 23.2799



0.0000, 0.0000, 0.0000

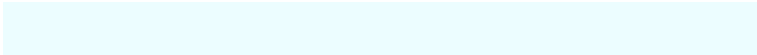


20.3446, 21.4041, 23.3091

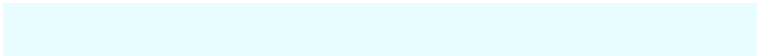


# Same Dimension

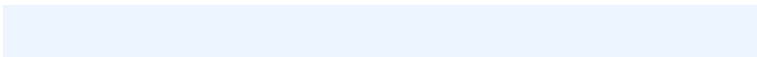
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7699, 95.3073, 108.3779



86.3411, 94.3765, 108.2736



84.8737, 89.5150, 107.4125



18.3824, 20.1363, 23.1678



24.0269, 32.9634, 54.5308



2.3843, 3.2992, 5.3244



# Inverse Universe

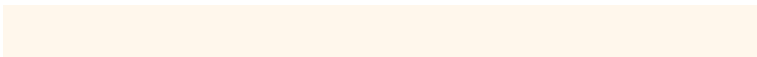
The Inverse Universe completely reimagines the original color for something new.



88.9666, 88.3444, 105.2963



87.7751, 86.0672, 104.5733



89.7642, 94.0833, 92.7874



18.7056, 18.2656, 22.3330



28.9159, 14.0556, 39.8029

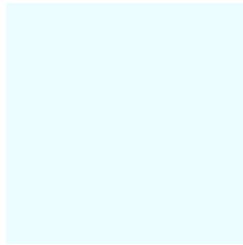


2.8381, 1.3776, 3.9947



# Previews

## White Background



This preview shows how the XYZ color 87.7674, 95.3034, 108.3773 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 87.7674, 95.3034, 108.3773 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 87.7674, 95.3034, 108.3773**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.7674, 95.3034, 108.3773.



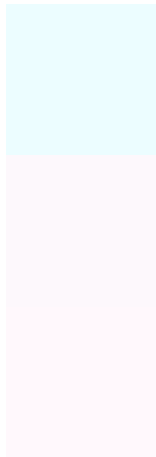
This preview shows how white text looks on a background with the XYZ color 87.7674, 95.3034,



# 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

87.7674, 95.3034, 108.3773

### Protanopia

91.6461, 95.0457, 105.6109

### Deuteranopia

92.3781, 95.4231, 105.6451

## **Tritanopia**

90.5934, 95.3654, 108.2403

# Trichromacy



A vertical color bar on the left side of the Trichromacy section, divided into four horizontal segments. The top segment is light cyan, the second is light blue, the third is light blue, and the bottom is light cyan.

**Original Color**

87.7674, 95.3034, 108.3773

**Protanomaly**

90.2730, 95.2372, 106.5532

**Deuteranomaly**

90.6266, 95.4195, 106.5698

**Tritanomaly**

89.5093, 95.2690, 108.2789

# Monochromacy



A vertical color bar on the left side of the Monochromacy section, divided into three horizontal segments. The top segment is light cyan, the middle is light orange, and the bottom is light cyan.

**Original Color**

87.7674, 95.3034, 108.3773

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

88.9064, 94.5693, 104.8346

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.7674, 95.3034, 108.3773 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(236, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 253, 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(236, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 253, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 87.7674, 95.3034, 108.3773 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(236, 253, 255) }
```



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

```
.border{ border-color:rgb(236, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 253,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.7674, 95.3034, 108.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 253, 255) }
```

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

```
.background{ background-color: rgb(236,  
253, 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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