

Converting Colors

XYZ(99.3595, 100.0000,
168.9089)

Have a look what the booklet for
XYZ(99.3595, 100.0000, 168.9089)
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

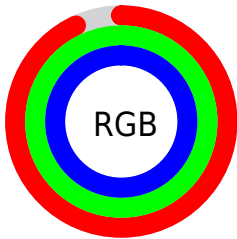
Format	Color
R _{YB}	236, 245, 255
Decimal	15531519
CIE _{Lab}	98.15, -5.15, -2.87
CIE _{LCh}	98, 5.898, 209.132
Y _{xy}	95.3034, 0.3011, 0.3270
Android (android.graphics.Color)	4293721599 (0xFFECCDFF)
Y _{UV}	248.1450, 3.3795, -10.6512
Hunter-Lab	97.6235, -10.3624, 2.5153

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**.

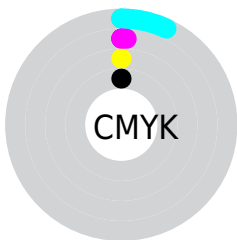
Distribution



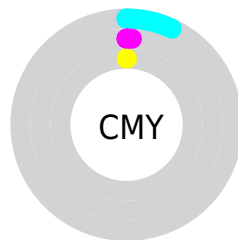
- Red (93%)
- Green (99%)
- Blue (100%)



- 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

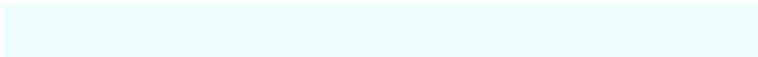
■ 47.3867, 65.0091,
104.6582

■ 46.1263, 63.2517,
104.3854

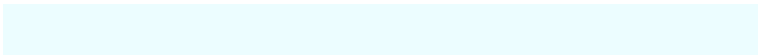
Harmonies

Analogous

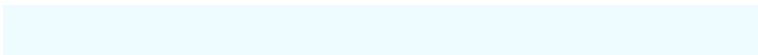
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3649, 95.3034, 103.6280



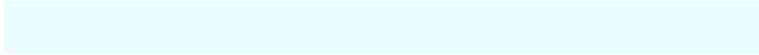
87.7674, 95.3034, 108.3773



88.9221, 95.3034, 111.9844

Triad

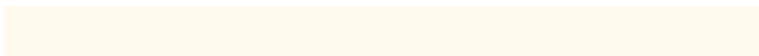
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7674, 95.3034, 108.3773



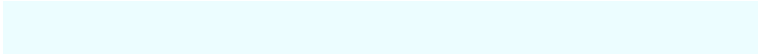
93.4079, 95.3034, 108.6294



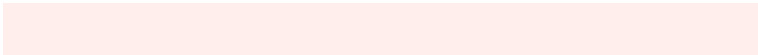
90.6324, 95.3034, 94.7181

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



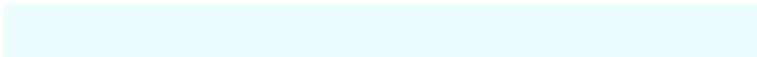
86.9542, 88.4634, 91.8508

Split Complementary

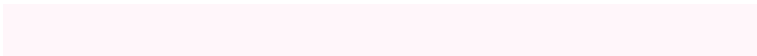
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.2645, 95.3034, 95.9660



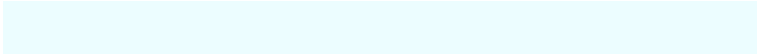
87.7674, 95.3034, 108.3773



93.8792, 95.3034, 103.9106

Square

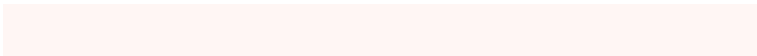
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7674, 95.3034, 108.3773



92.1781, 95.3034, 112.1331



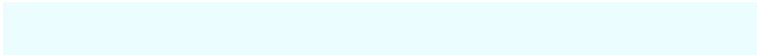
93.4582, 95.3034, 99.2936



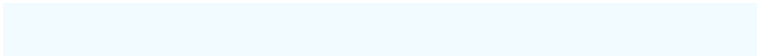
89.0065, 95.3034, 95.8319

Rectangle

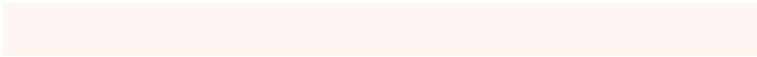
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7674, 95.3034, 108.3773



89.9702, 95.3034, 113.2030



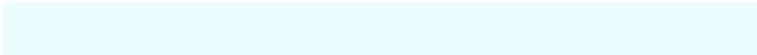
93.4582, 95.3034, 99.2936



91.1986, 95.3034, 94.8746

Sweetspot

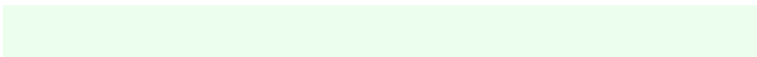
The Sweet Spot groups the original color and five complimentary colors.



87.7699, 95.3073, 108.3779



93.0279, 98.7044, 108.7565



85.7710, 95.5205, 94.7302



19.9330, 21.1404, 23.2799



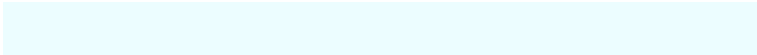
0.0000, 0.0000, 0.0000



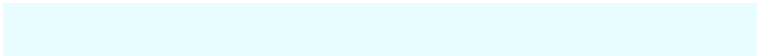
20.3446, 21.4041, 23.3091

Same Dimension

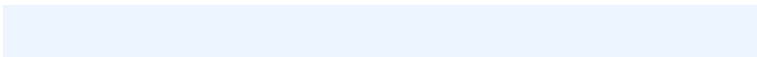
The Same Dimension uses a secret algorithm to generate beautiful new colors.



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

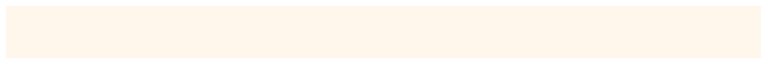
The Inverse Universe completely reimagines the original color for something new.



88.9666, 88.3444, 105.2963



87.7751, 86.0672, 104.5733



89.7642, 94.0833, 92.7874



18.7056, 18.2656, 22.3330



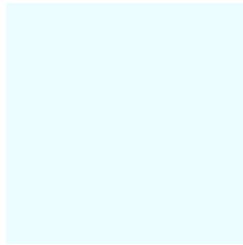
28.9159, 14.0556, 39.8029



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

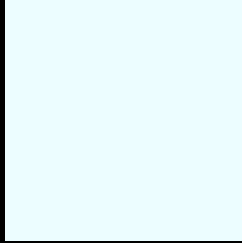
Large Text (above 18pt) WCAG AA × Fail

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

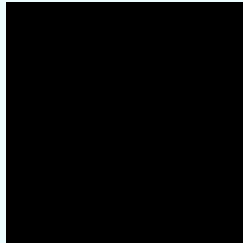
Large Text (above 18pt) WCAG AAA ✓ Pass

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.



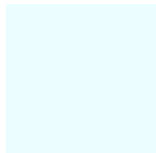
This preview shows how white text looks on a background with the XYZ color 87.7674, 95.3034,

108.3773.

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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