

Converting Colors

XYZ(58.2982, 67.2851,
120.4802)

Have a look what the booklet for
XYZ(58.2982, 67.2851, 120.4802)
contains.

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Color

**XYZ(55.1869, 65.9346,
104.4257)**

Conversions

Conversions Part 1

Format	Color
Hex	8AE0FF
RGB	138, 224, 255
RGB Percent	54%, 88%, 100%
CMY	0.4588, 0.1216, 0.0000
CMYK	0.46, 0.12, 0.00, 0.00
HSL	196°, 100%, 77%
HSV	196°, 46%, 100%
XYZ	55.1869, 65.9346, 104.4257
YIQ	201.8200, -61.2070, -8.5910

Conversions

Conversions Part 2

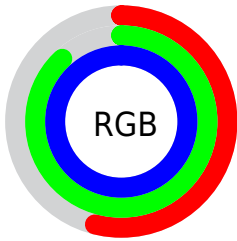
Format	Color
RYB	138, 188, 255
Decimal	9101567
CIELab	84.96, -18.06, -23.16
CIELCh	85, 29.367, 232.055
Yxy	65.9346, 0.2447, 0.2923
Android (android.graphics.Color)	4287291647 (0xFF8AE0FF)
YUV	201.8200, 26.2177, -55.9701
Hunter-Lab	81.2001, -20.7844, -19.4086

Details

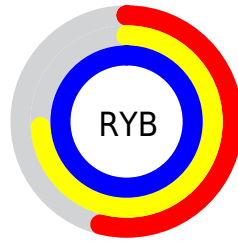
The XYZ color **55.1869, 65.9346, 104.4257** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.0161, 51.4717, 30.8186**, and the grayscale version is **55.8977, 58.8088, 64.0428**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **27.6055, 34.1154, 58.5561** is the 20% darker color. If you saturate the color by 10%, you get **49.6734, 60.4515, 103.6580**, and if you desaturate by 10%, it is **61.7666, 72.0773, 105.2646**.

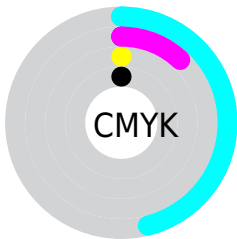
Distribution



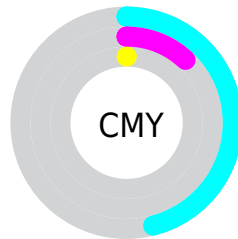
- Red (54%)
- Green (88%)
- Blue (100%)



- Red (54%)
- Yellow (74%)
- Blue (100%)



- Cyan (46%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1869, 65.9346, 104.4257 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 55.1869, 65.9346, 104.4257 by changing the saturation by 10% instead.

■ 55.1869, 65.9346,
104.4257

■ 55.1869, 65.9346,
104.4257

396.7449,
446.1430, 595.6580

■ 39.7858, 48.2193,
79.3643

■ 96.9615, 113.3925,
169.3307

■ 27.5551, 34.0006,
58.6723

■ 124.0657,
143.9038, 210.0113

■ 18.1293, 22.8941,
41.9311

155.8016,
179.4493, 256.7355

■ 11.1431, 14.5153,
28.7222

192.5346,
220.4134, 309.9217

■ 6.2312, 8.4799,
18.6270

234.6301,
267.1804, 369.9886

■ 3.0281, 4.4035,
11.2270

282.4534,

■ 1.1687, 1.9018,

320.1347, 437.3545

6.1036

336.3699,
379.6608, 512.4382

■ 0.0814, 0.5494,
2.8384

■ 0.0000, 0.0000,
1.0127

■ 55.1869, 65.9346,
104.4257

■ 55.1869, 65.9346,
104.4257

■ 49.6734, 60.4515,
103.6580

■ 61.7666, 72.0773,
105.2646

■ 45.1492, 55.5829,
102.9567

■ 69.4713, 78.9068,
106.1768

■ 41.5359, 51.2885,
102.3182

■ 78.3617, 86.4571,
107.1655

■ 38.7395, 47.5186,
101.7380

■ 88.4927, 94.7576,
108.2337

■ 36.6436, 44.2119,
101.2102

95.0500, 100.0000,
108.9000

■ 35.9140, 42.9480,
101.0047

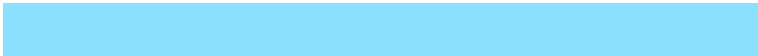
Harmonies

Analogous

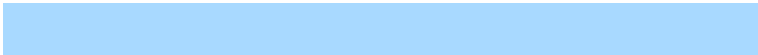
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.6305, 65.9346, 86.3174



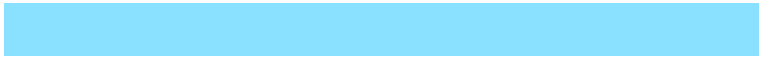
55.1869, 65.9346, 104.4257



60.9316, 65.9346, 114.1243

Triad

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



55.1869, 65.9346, 104.4257



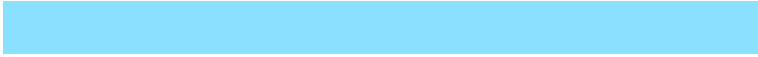
76.0924, 65.9346, 76.9318



58.0247, 65.9346, 43.1072

Complementary

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



55.1869, 65.9346, 104.4257



60.0161, 51.4717, 30.8186

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.



64.4389, 65.9346, 41.4839



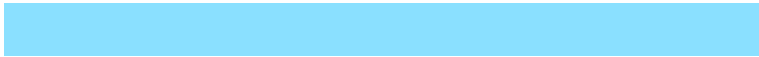
55.1869, 65.9346, 104.4257



75.1780, 65.9346, 58.9943

Square

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



55.1869, 65.9346, 104.4257



73.2156, 65.9346, 96.5314



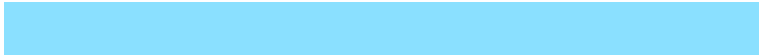
70.7982, 65.9346, 46.7814



53.1870, 65.9346, 51.6871

Rectangle

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



55.1869, 65.9346, 104.4257



65.3560, 65.9346, 113.5091



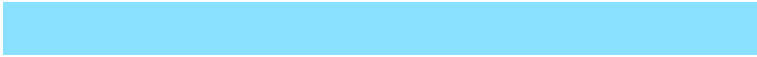
70.7982, 65.9346, 46.7814



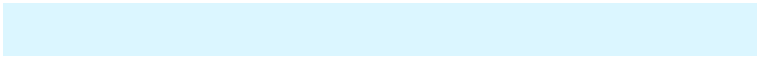
60.0564, 65.9346, 41.7986

Sweetspot

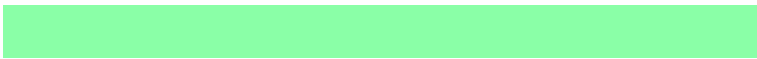
The Sweet Spot groups the original color and five complimentary colors.



55.1888, 65.9370, 104.4261



80.1703, 87.9597, 107.3602



53.2407, 79.7232, 49.2645



16.7163, 18.4584, 22.9317



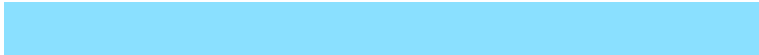
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.1888, 65.9370, 104.4261



50.1180, 60.9091, 103.7229



42.3974, 40.3543, 100.1623



18.1238, 19.6192, 23.0816



18.8947, 22.6989, 52.8201



1.9292, 2.3892, 5.1728

Inverse Universe

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



63.7843, 44.8205, 75.8131



59.9765, 38.5182, 70.4953



72.9566, 77.3527, 35.1321



18.5751, 18.2134, 21.6458



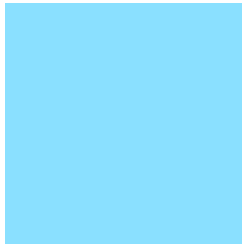
26.3254, 13.0194, 26.1615



2.6084, 1.2857, 2.7853

Previews

White Background



This preview shows how the XYZ color 55.1869, 65.9346, 104.4257 looks on a white background.

Color Contrast Check

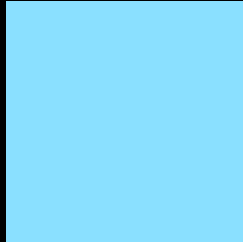
Large Text (above 18pt) WCAG AA × Fail

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 55.1869, 65.9346, 104.4257 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 55.1869, 65.9346, 104.4257

Background



This preview shows how black text looks on a background with the XYZ color 55.1869, 65.9346, 104.4257.

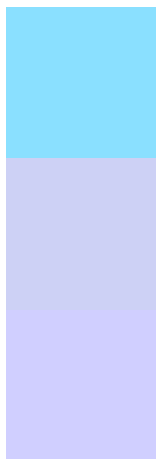


This preview shows how white text looks on a background with the XYZ color 55.1869, 65.9346,

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

55.1869, 65.9346, 104.4257

Protanopia

64.4587, 65.1726, 95.5684

Deuteranopia

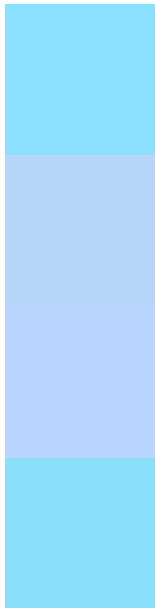
66.3752, 65.2555, 103.7050



Tritanopia

53.5172, 66.0753, 95.5211

Trichromacy



Original Color

55.1869, 65.9346, 104.4257

Protanomaly

60.2015, 64.7564, 98.9488

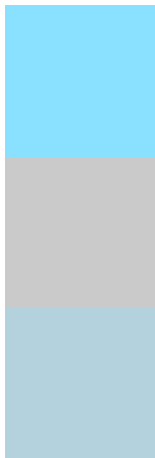
Deuteranomaly

61.3727, 64.8758, 103.8953

Tritanomaly

54.0218, 65.8620, 98.6723

Monochromacy



Original Color

55.1869, 65.9346, 104.4257

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

54.6881, 60.8974, 77.2786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1869, 65.9346, 104.4257 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(138, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 224, 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(138, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.1869, 65.9346, 104.4257 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(138, 224, 255) }
```


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

```
.border{ border-color:rgb(138, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1869, 65.9346, 104.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 224, 255) }
```

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

```
.background{ background-color: rgb(138,  
224, 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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