

Converting Colors

XYZ(56.5099, 69.8741,
105.1164)

Have a look what the booklet for
XYZ(56.5099, 69.8741, 105.1164)
contains.

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Color

**XYZ(56.5795, 69.9198,
105.1216)**

Conversions

Conversions Part 1

Format	Color
Hex	85E8FF
RGB	133, 232, 255
RGB Percent	52%, 91%, 100%
CMY	0.4784, 0.0902, 0.0000
CMYK	0.48, 0.09, 0.00, 0.00
HSL	191°, 100%, 76%
HSV	191°, 48%, 100%
XYZ	56.5795, 69.9198, 105.1216
YIQ	205.0210, -66.3870, -13.8350

Conversions

Conversions Part 2

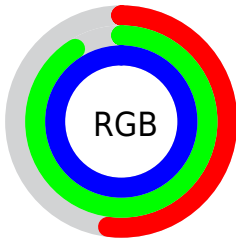
Format	Color
R_{YB}	133, 188, 255
Decimal	8775935
CIE _{Lab}	86.96, -23.17, -20.16
CIE _{LCh}	87, 30.715, 221.016
Yxy	69.9198, 0.2443, 0.3019
Android (android.graphics.Color)	4286966015 (0xFF85E8FF)
YUV	205.0210, 24.6396, -63.1624
Hunter-Lab	83.6181, -25.5510, -16.0046

Details

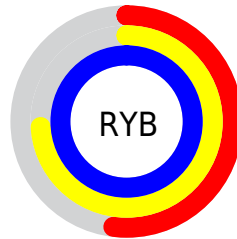
The XYZ color **56.5795, 69.9198, 105.1216** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.3628, 46.7311, 28.1890**, and the grayscale version is **57.9221, 60.9385, 66.3620**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **28.3909, 36.5056, 58.9760** is the 20% darker color. If you saturate the color by 10%, you get **51.6974, 65.4232, 104.5110**, and if you desaturate by 10%, it is **62.4796, 74.9992, 105.7910**.

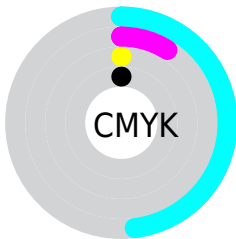
Distribution



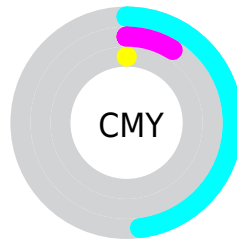
- Red (52%)
- Green (91%)
- Blue (100%)



- Red (52%)
- Yellow (74%)
- Blue (100%)



- Cyan (48%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5795, 69.9198, 105.1216 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 56.5795, 69.9198, 105.1216 by changing the saturation by 10% instead.

56.5795, 69.9198,
105.1216

56.5795, 69.9198,
105.1216

401.9115,
460.2684, 597.8775

40.9066, 51.4612,
79.9440

98.9863, 119.0944,
170.2908

28.4334, 36.5757,
59.1464

126.4508,
150.5791, 211.1196

18.7948, 24.8792,
42.3102

158.5766,
187.1746, 258.0024

11.6252, 15.9871,
29.0169

195.7289,
229.2654, 311.3579

6.5594, 9.5150,
18.8479

238.2733,
277.2357, 371.6047

3.2320, 5.0786,
11.3847

286.5749,

1.2776, 2.2935,

331.4701, 439.1611

6.2088

340.9992,
392.3528, 514.4459

■ 0.1663, 0.7702,
2.9016

■ 0.0000, 0.0000,
1.0446

■ 56.5795, 69.9198,
105.1216

■ 56.5795, 69.9198,
105.1216

■ 51.6974, 65.4232,
104.5110

■ 62.4796, 74.9992,
105.7910

■ 47.7552, 61.4642,
103.9545

■ 69.4569, 80.6878,
106.5213

■ 44.6728, 58.0024,
103.4488

■ 77.5727, 87.0191,
107.3156

■ 42.3533, 54.9876,
102.9892

■ 86.8822, 94.0219,
108.1766

■ 40.6674, 52.3526, 95.0500, 100.0000,
102.5694 108.9000

■ 40.3464, 51.8127,
102.4821

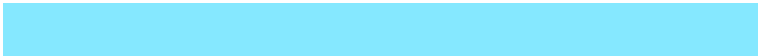
Harmonies

Analogous

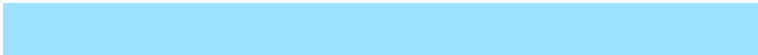
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.8117, 69.9198, 83.9343



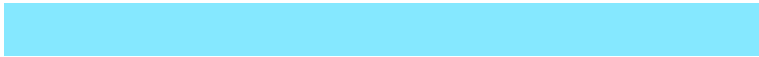
56.5795, 69.9198, 105.1216



62.0682, 69.9198, 119.9470

Triad

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



56.5795, 69.9198, 105.1216



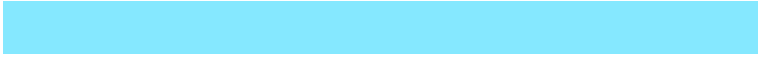
80.3773, 69.9198, 89.7234



63.8547, 69.9198, 43.5559

Complementary

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



56.5795, 69.9198, 105.1216



57.3628, 46.7311, 28.1890

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.



71.0473, 69.9198, 44.5428



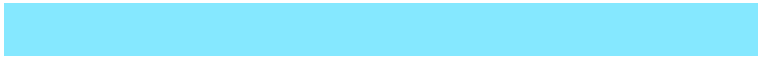
56.5795, 69.9198, 105.1216



80.9420, 69.9198, 68.8265

Square

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



56.5795, 69.9198, 105.1216



75.9298, 69.9198, 110.0105



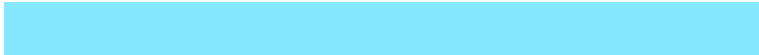
77.4212, 69.9198, 53.0298



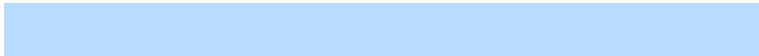
57.8062, 69.9198, 50.0367

Rectangle

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



56.5795, 69.9198, 105.1216



66.7016, 69.9198, 122.8724



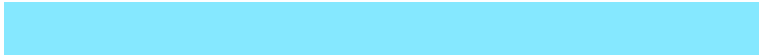
77.4212, 69.9198, 53.0298



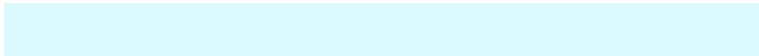
66.2123, 69.9198, 43.0603

Sweetspot

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



56.5814, 69.9224, 105.1220



81.0044, 89.6279, 107.6383



51.3814, 78.8860, 43.6925



16.9210, 18.8677, 23.0000



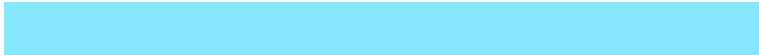
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.5814, 69.9224, 105.1220



52.0708, 65.7802, 104.5602



42.4073, 41.5741, 100.3972



18.2467, 19.8650, 23.1226



21.1860, 27.2816, 53.5838



2.1344, 2.7995, 5.2411

Inverse Universe

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



64.1943, 43.8630, 81.4298



60.7265, 37.9158, 77.2267



70.1244, 72.2543, 32.4428



18.6372, 18.2382, 21.9724



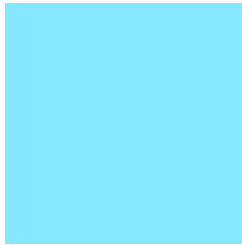
27.4819, 13.4821, 32.2519



2.7120, 1.3272, 3.3306

Previews

White Background



This preview shows how the XYZ color 56.5795, 69.9198, 105.1216 looks on a white background.

Color Contrast Check

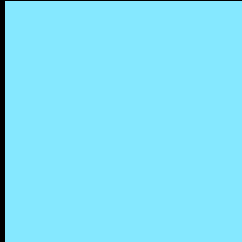
Large Text (above 18pt) WCAG AA × Fail

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 56.5795, 69.9198, 105.1216 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 56.5795, 69.9198, 105.1216

Background



This preview shows how black text looks on a background with the XYZ color 56.5795, 69.9198, 105.1216.

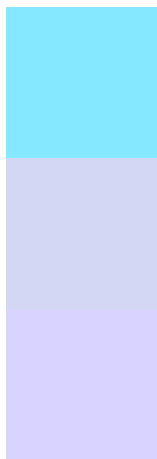


This preview shows how white text looks on a background with the XYZ color 56.5795, 69.9198,

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

56.5795, 69.9198, 105.1216

Protanopia

67.7810, 69.1296, 95.3589

Deuteranopia

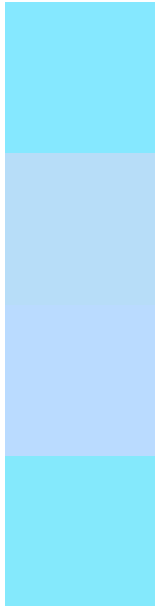
70.2088, 69.0587, 104.2370



Tritanopia

56.0672, 70.1484, 101.8517

Trichromacy



Original Color

56.5795, 69.9198, 105.1216

Protanomaly

62.3282, 68.5575, 98.7548

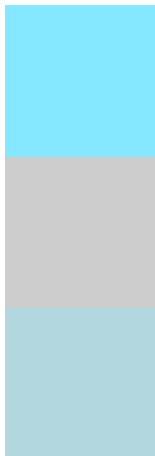
Deuteranomaly

63.6312, 68.3221, 104.4415

Tritanomaly

56.2253, 70.2116, 102.6843

Monochromacy



Original Color

56.5795, 69.9198, 105.1216

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

56.2101, 63.5123, 79.1085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5795, 69.9198, 105.1216 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(133, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 232, 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(133, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.5795, 69.9198, 105.1216 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(133, 232, 255) }
```


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

```
.border{ border-color:rgb(133, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5795, 69.9198, 105.1216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 232, 255) }
```

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

```
.background{ background-color: rgb(133,  
232, 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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