

Converting Colors

XYZ(69.1032, 106.8467,
72.0389)

Have a look what the booklet for
XYZ(69.1032, 106.8467, 72.0389)
contains.

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Color

**XYZ(56.1341, 80.8054,
67.8968)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 86FFC9 |
| RGB | 134, 255, 201 |
| RGB Percent | 53%, 100%, 79% |
| CMY | 0.4745, 0.0000, 0.2118 |
| CMYK | 0.47, 0.00, 0.21, 0.00 |
| HSL | 153°, 100%, 76% |
| HSV | 153°, 47%, 100% |
| XYZ | 56.1341, 80.8054, 67.8968 |
| YIQ | 212.6650, -54.7820, -42.4460 |

Conversions

Conversions Part 2

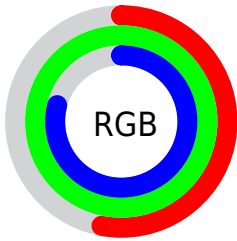
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 134, 212, 255 |
| Decimal | 8847305 |
| CIELab | 92.05, -46.21, 15.42 |
| CIELCh | 92, 48.714, 161.550 |
| Yxy | 80.8054, 0.2740, 0.3945 |
| Android (android.graphics.Color) | 4287037385 (0xFF86FFC9) |
| YUV | 212.6650, -5.7508, -68.9892 |
| Hunter-Lab | 89.8918, -45.8441, 18.1415 |

Details

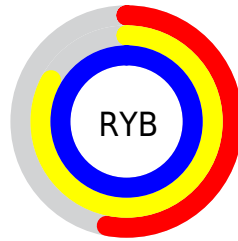
The XYZ color **56.1341, 80.8054, 67.8968** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.8426, 41.9418, 52.5714**, and the grayscale version is **63.0854, 66.3708, 72.2777**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **28.2846, 43.9506, 34.5963** is the 20% darker color. If you saturate the color by 10%, you get **51.2587, 78.4410, 60.9380**, and if you desaturate by 10%, it is **62.0899, 83.7152, 75.4266**.

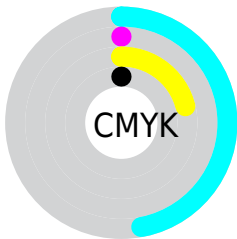
Distribution



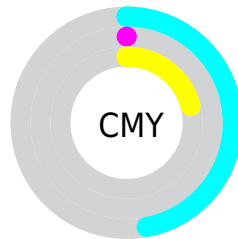
- Red (53%)
- Green (100%)
- Blue (79%)



- Red (53%)
- Yellow (83%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.1341, 80.8054, 67.8968 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 56.1341, 80.8054, 67.8968 by changing the saturation by 10% instead.


 56.1341, 80.8054,
67.8968

 56.1341, 80.8054,
67.8968


400.2635,
497.6430, 471.7184


 40.5479, 60.3813,
49.3476


 98.3393, 134.4975,
117.8573

 28.1521, 43.7261,
34.5278


 125.6890,
168.5343, 150.1057

 18.5814, 30.4552,
23.0187


 157.6905,
207.8775, 187.7576

 11.4704, 20.1844,
14.4019

194.7092,
252.9115, 231.2316

 6.4538, 12.5291,
8.2588

237.1106,
304.0206, 280.9461

 3.1662, 7.1051,
4.1708

285.2598,

 1.2422, 3.5279,

361.5893, 337.3197

1.7195

339.5223,
426.0020, 400.7710

■ 0.1393, 1.4132,
0.3741

■ 0.0000, 0.2264,
0.0000

■ 56.1341, 80.8054,
67.8968

■ 56.1341, 80.8054,
67.8968

■ 51.2587, 78.4410,
60.9380

■ 62.0899, 83.7152,
75.4266

■ 47.3877, 76.5832,
54.5316

■ 69.1905, 87.2035,
83.5372

■ 44.4385, 75.1896,
48.6635

■ 77.4976, 91.3019,
92.2434

■ 42.3127, 74.2099,
43.3170

■ 87.0677, 96.0392,
101.5579

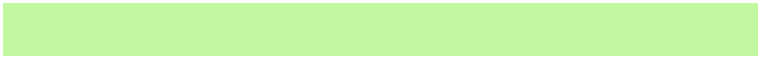
■ 40.8833, 73.5787, 95.0500, 100.0000,
38.4740 108.9000

■ 40.5827, 73.4491,
37.3158

Harmonies

Analogous

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



61.9008, 80.8054, 45.7770



56.1341, 80.8054, 67.8968



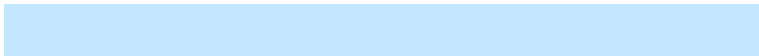
55.5272, 80.8054, 102.5400

Triad

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



56.1341, 80.8054, 67.8968



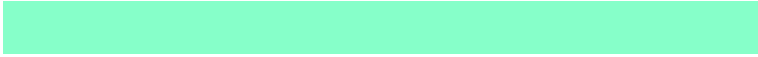
81.7306, 80.8054, 174.4163



96.2888, 80.8054, 49.6830

Complementary

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



56.1341, 80.8054, 67.8968



58.8426, 41.9418, 52.5714

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.



102.9190, 80.8054, 74.8740



56.1341, 80.8054, 67.8968



93.9236, 80.8054, 150.4084

Square

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



56.1341, 80.8054, 67.8968



69.4253, 80.8054, 171.0454



102.0092, 80.8054, 111.6856



84.6859, 80.8054, 37.4061

Rectangle

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



56.1341, 80.8054, 67.8968



58.0408, 80.8054, 129.2672



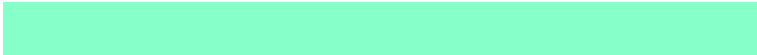
102.0092, 80.8054, 111.6856



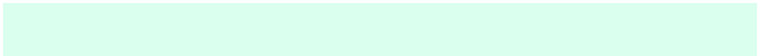
99.2271, 80.8054, 56.5832

Sweetspot

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



56.1348, 80.8057, 67.8982



80.6538, 92.8627, 95.3875



60.9137, 83.9901, 35.5564



16.8369, 19.6656, 19.9941



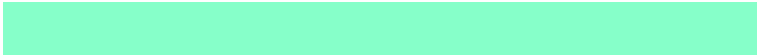
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.1348, 80.8057, 67.8982



51.4559, 78.5362, 61.2392



61.7422, 80.0091, 106.7969



18.1926, 20.3366, 21.3172



21.2817, 38.4093, 19.9006



2.1272, 3.7618, 2.2276

Inverse Universe

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



58.8426, 41.9418, 52.5714



54.4686, 35.4126, 44.2730



54.9290, 41.7528, 27.7192



18.3463, 18.1218, 20.4405



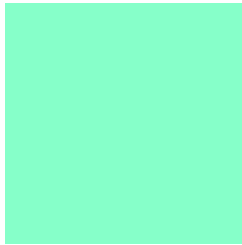
23.2024, 11.7703, 9.7163



2.3132, 1.1676, 1.2305

Previews

White Background



This preview shows how the XYZ color 56.1341, 80.8054, 67.8968 looks on a white background.

Color Contrast Check

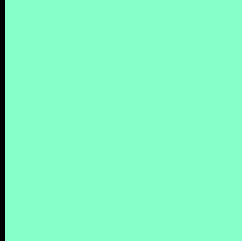
Large Text (above 18pt) WCAG AA × Fail

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 56.1341, 80.8054, 67.8968 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 56.1341, 80.8054, 67.8968

Background



This preview shows how black text looks on a background with the XYZ color 56.1341, 80.8054, 67.8968.



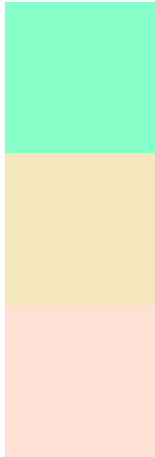
This preview shows how white text looks on a background with the XYZ color 56.1341, 80.8054,

67.8968.

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

56.1341, 80.8054, 67.8968

Protanopia

74.7903, 79.5008, 59.5474

Deuteranopia

79.9059, 79.3754, 74.0603



Tritanopia

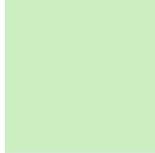
68.7967, 80.0757, 106.4379

Trichromacy



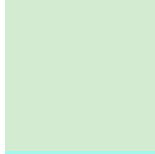
Original Color

56.1341, 80.8054, 67.8968



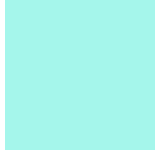
Protanomaly

65.3940, 78.4206, 62.1421



Deuteranomaly

68.0809, 77.8690, 71.7636



Tritanomaly

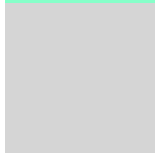
63.4682, 79.9090, 90.6761

Monochromacy



Original Color

56.1341, 80.8054, 67.8968



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.0192, 70.2806, 70.7765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1341, 80.8054, 67.8968 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(134, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(134, 255, 201)  
}
```

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(134, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 56.1341, 80.8054, 67.8968 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(134, 255, 201) }
```


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

```
.border{ border-color:rgb(134, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(134, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1341, 80.8054, 67.8968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 255, 201) }
```

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

```
.background{ background-color: rgb(134,  
255, 201) }
```

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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