

Converting Colors

XYZ(51.2254, 57.2242,
109.6835)

Have a look what the booklet for
XYZ(51.2254, 57.2242, 109.6835)
contains.

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Color

**XYZ(50.0357, 56.8322,
102.9403)**

Conversions

Conversions Part 1

Format	Color
Hex	85CFFF
RGB	133, 207, 255
RGB Percent	52%, 81%, 100%
CMY	0.4784, 0.1882, 0.0000
CMYK	0.48, 0.19, 0.00, 0.00
HSL	204°, 100%, 76%
HSV	204°, 48%, 100%
XYZ	50.0357, 56.8322, 102.9403
YIQ	190.3460, -59.5120, -0.7600

Conversions

Conversions Part 2

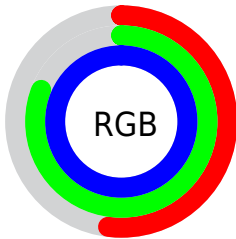
Format	Color
R_{YB}	133, 179, 255
Decimal	8769535
CIE _{Lab}	80.09, -10.44, -30.63
CIE _{LCh}	80, 32.358, 251.184
Yxy	56.8322, 0.2385, 0.2709
Android (android.graphics.Color)	4286959615 (0xFF85CFFF)
YUV	190.3460, 31.8744, -50.2924
Hunter-Lab	75.3871, -13.4541, -28.1888

Details

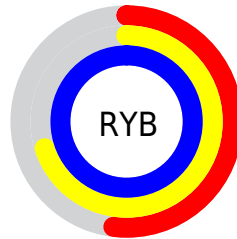
The XYZ color **50.0357, 56.8322, 102.9403** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **61.9984, 56.0023, 29.7342**, and the grayscale version is **48.9911, 51.5424, 56.1297**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **24.3319, 28.2762, 57.6015** is the 20% darker color. If you saturate the color by 10%, you get **44.1340, 50.2964, 101.9898**, and if you desaturate by 10%, it is **57.0723, 64.1847, 103.9886**.

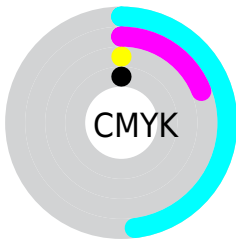
Distribution



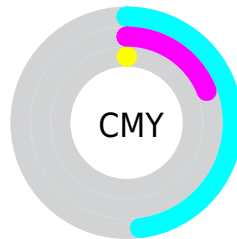
- Red (52%)
- Green (81%)
- Blue (100%)



- Red (52%)
- Yellow (70%)
- Blue (100%)



- Cyan (48%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0357, 56.8322, 102.9403 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 50.0357, 56.8322, 102.9403 by changing the saturation by 10% instead.

■ 50.0357, 56.8322,
102.9403

■ 50.0357, 56.8322,
102.9403

377.2552,
412.8202, 590.9060

■ 35.6597, 40.8705,
78.1278

■ 89.4193, 100.2203,
167.2790

■ 24.3404, 28.2179,
57.6619

■ 115.1575,
128.4155, 207.6423

■ 15.7124, 18.4900,
41.1240

■ 145.4139,
161.4574, 254.0264

■ 9.4104, 11.3024,
28.0956

180.5538,
199.7303, 306.8496

■ 5.0691, 6.2706,
18.1580

220.9425,
243.6187, 366.5307

■ 2.3230, 3.0103,
10.8929

266.9454,

■ 0.8064, 1.1371,

293.5068, 433.4881

5.8816

318.9279,
349.7792, 508.1403

■ 0.0000, 0.0094,
2.7056

■ 0.0000, 0.0000,
0.9462

■ 50.0357, 56.8322,
102.9403

■ 50.0357, 56.8322,
102.9403

■ 44.1340, 50.2964,
101.9898

■ 57.0723, 64.1847,
103.9886

■ 39.2874, 44.5285,
101.1319

■ 65.3063, 72.3866,
105.1378

■ 35.4128, 39.4824,
100.3622

■ 74.8012, 81.4760,
106.3917

■ 32.4107, 35.1023,
99.6749

■ 85.6144, 91.4863,
107.7540

■ 30.1489, 31.3155,
99.0632

95.0500, 100.0000,
108.9000

■ 29.7172, 30.5545,
98.9391

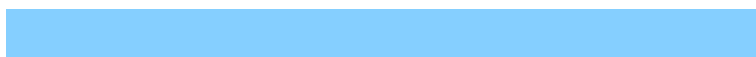
Harmonies

Analogous

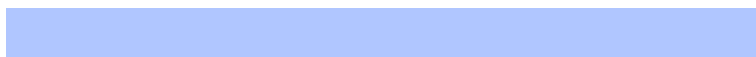
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.0378, 56.8322, 88.9600



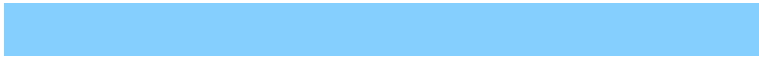
50.0357, 56.8322, 102.9403



56.5104, 56.8322, 104.7042

Triad

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



50.0357, 56.8322, 102.9403



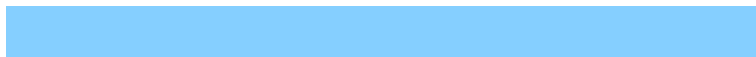
67.4144, 56.8322, 55.1107



46.1018, 56.8322, 38.4059

Complementary

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



50.0357, 56.8322, 102.9403



61.9984, 56.0023, 29.7342

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.



51.5986, 56.8322, 32.6894



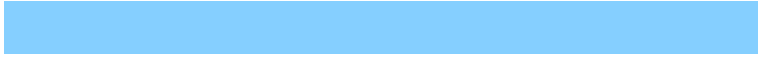
50.0357, 56.8322, 102.9403



64.1174, 56.8322, 40.9431

Square

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



50.0357, 56.8322, 102.9403



66.9100, 56.8322, 74.3281



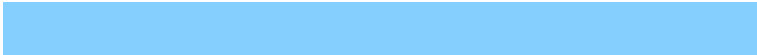
58.2047, 56.8322, 33.5126



42.8972, 56.8322, 50.9067

Rectangle

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



50.0357, 56.8322, 102.9403



60.8418, 56.8322, 98.3744



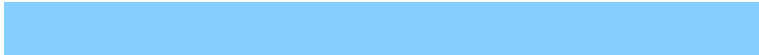
58.2047, 56.8322, 33.5126



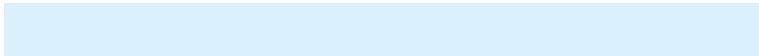
47.7232, 56.8322, 35.7543

Sweetspot

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



50.0374, 56.8342, 102.9406



78.7956, 85.2103, 106.9020



53.6486, 79.7929, 55.6313



16.3801, 17.7859, 22.8197



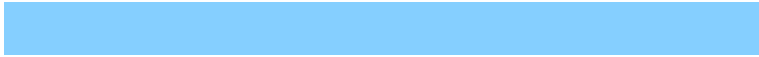
0.0000, 0.0000, 0.0000



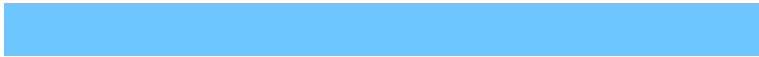
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0374, 56.8342, 102.9406



44.5886, 50.8160, 102.0661



38.1946, 33.1486, 98.9930



17.9199, 19.2114, 23.0136



15.6776, 16.2647, 51.7477



1.6330, 1.7967, 5.0740

Inverse Universe

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



60.8912, 42.5417, 64.0357



56.9499, 36.4051, 57.3392



76.8605, 85.7265, 34.6882



18.4722, 18.1722, 21.1039



24.7015, 12.3699, 17.6105



2.4589, 1.2259, 1.9978

Previews

White Background



This preview shows how the XYZ color 50.0357, 56.8322, 102.9403 looks on a white background.

Color Contrast Check

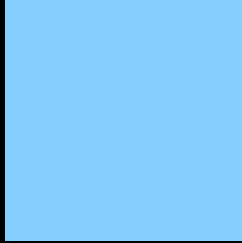
Large Text (above 18pt) WCAG AA × Fail

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 50.0357, 56.8322, 102.9403 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

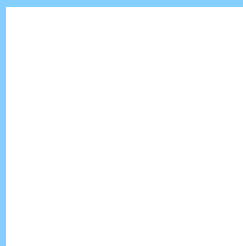
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0357, 56.8322, 102.9403

Background



This preview shows how black text looks on a background with the XYZ color 50.0357, 56.8322, 102.9403.



This preview shows how white text looks on a background with the XYZ color 50.0357, 56.8322,

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

50.0357, 56.8322, 102.9403

Protanopia

56.5360, 56.5095, 95.9234

Deuteranopia

57.5727, 56.5645, 102.4914



Tritanopia

46.1438, 57.1041, 82.7189

Trichromacy



Original Color

50.0357, 56.8322, 102.9403

Protanomaly

53.6355, 56.3177, 98.4860

Deuteranomaly

54.1993, 56.1738, 102.5938

Tritanomaly

47.3813, 56.8554, 89.3659

Monochromacy



Original Color

50.0357, 56.8322, 102.9403

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.2397, 52.7699, 71.2614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0357, 56.8322, 102.9403 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, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 207, 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, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 207, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.0357, 56.8322, 102.9403 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, 207, 255) }
```


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

```
.border{ border-color:rgb(133, 207, 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, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 207,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0357, 56.8322, 102.9403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 207, 255) }
```

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

```
.background{ background-color: rgb(133,  
207, 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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