

Converting Colors

XYZ(48.7151, 54.2847,
102.5182)

Have a look what the booklet for
XYZ(48.7151, 54.2847, 102.5182)
contains.

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Color

**XYZ(48.8434, 54.4476,
102.5429)**

Conversions

Conversions Part 1

Format	Color
Hex	85CAFF
RGB	133, 202, 255
RGB Percent	52%, 79%, 100%
CMY	0.4784, 0.2078, 0.0000
CMYK	0.48, 0.21, 0.00, 0.00
HSL	206°, 100%, 76%
HSV	206°, 48%, 100%
XYZ	48.8434, 54.4476, 102.5429
YIQ	187.4110, -58.1370, 1.8550

Conversions

Conversions Part 2

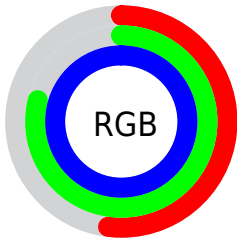
Format	Color
R _Y B	133, 177, 255
Decimal	8768255
CIE Lab	78.72, -7.79, -32.73
CIE LCh	79, 33.642, 256.605
Yxy	54.4476, 0.2373, 0.2645
Android (android.graphics.Color)	4286958335 (0xFF85CAFF)
YUV	187.4110, 33.3214, -47.7184
Hunter-Lab	73.7886, -10.9744, -30.7424

Details

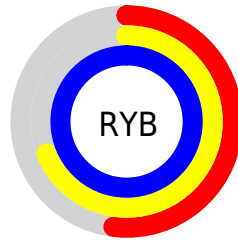
The XYZ color **48.8434, 54.4476, 102.5429** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.0334, 58.0724, 30.0792**, and the grayscale version is **47.3088, 49.7726, 54.2023**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **23.6070, 26.7129, 57.3380** is the 20% darker color. If you saturate the color by 10%, you get **42.7889, 47.6063, 101.5415**, and if you desaturate by 10%, it is **56.0648, 62.1697, 103.6528**.

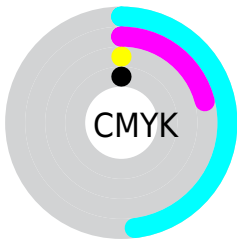
Distribution



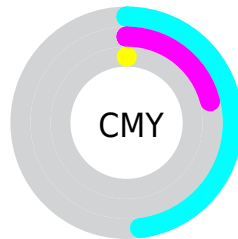
- Red (52%)
- Green (79%)
- Blue (100%)



- Red (52%)
- Yellow (69%)
- Blue (100%)



- Cyan (48%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8434, 54.4476, 102.5429 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 48.8434, 54.4476, 102.5429 by changing the saturation by 10% instead.

■ 48.8434, 54.4476,
102.5429

■ 48.8434, 54.4476,
102.5429

372.6527,
403.8146, 589.6312

■ 34.7093, 38.9596,
77.7972

■ 87.6609, 96.7311,
166.7296

■ 23.6045, 26.7283,
57.3920

■ 113.0751,
124.2955, 207.0077

■ 15.1636, 17.3693,
40.9086

■ 142.9800,
156.6541, 253.3004

■ 9.0214, 10.4981,
27.9285

177.7409,
194.1913, 306.0262

■ 4.8123, 5.7305,
18.0332

217.7233,
237.2916, 365.6036

■ 2.1712, 2.6819,
10.8041

263.2925,

■ 0.7275, 0.9680,

286.3393, 432.4512

5.8228

314.8138,
341.7188, 506.9876

■ 0.0000, 0.0000,
2.6706

■ 0.0000, 0.0000,
0.9286

■ 48.8434, 54.4476,
102.5429

■ 48.8434, 54.4476,
102.5429

■ 42.7889, 47.6063,
101.5415

■ 56.0648, 62.1697,
103.6528

■ 37.8207, 41.5952,
100.6430

■ 64.5168, 70.8076,
104.8746

■ 33.8545, 36.3658,
99.8427

■ 74.2638, 80.4012,
106.2126

■ 30.7897, 31.8603,
99.1346

■ 85.3641, 90.9858,
107.6706

■ 28.4928, 28.0033, 95.0500, 100.0000,
98.5112 108.9000

■ 28.0571, 27.2341,
98.3857

Harmonies

Analogous

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



43.4502, 54.4476, 90.0889



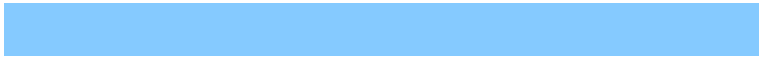
48.8434, 54.4476, 102.5429



55.4932, 54.4476, 101.7796

Triad

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



48.8434, 54.4476, 102.5429



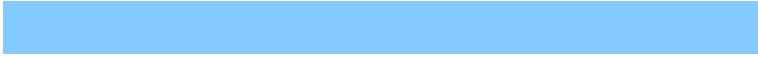
65.0032, 54.4476, 49.4189



43.0009, 54.4476, 37.5080

Complementary

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



48.8434, 54.4476, 102.5429



63.0334, 58.0724, 30.0792

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.



48.1806, 54.4476, 30.6500



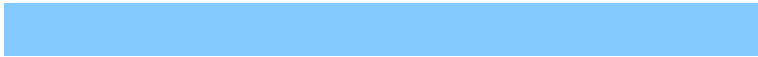
48.8434, 54.4476, 102.5429



61.0465, 54.4476, 36.4489

Square

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



48.8434, 54.4476, 102.5429



65.2193, 54.4476, 68.1833



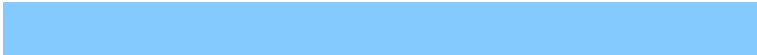
54.7714, 54.4476, 30.3092



40.2773, 54.4476, 51.1952

Rectangle

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



48.8434, 54.4476, 102.5429



59.7597, 54.4476, 93.8265



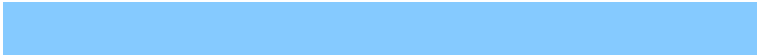
54.7714, 54.4476, 30.3092



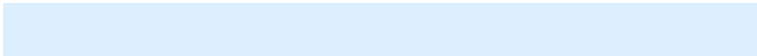
44.4915, 54.4476, 34.4689

Sweetspot

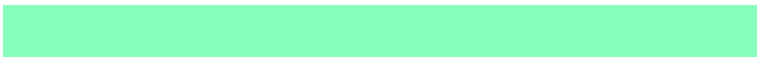
The Sweet Spot groups the original color and five complimentary colors.



48.8450, 54.4495, 102.5431



78.3643, 84.3477, 106.7582



54.2828, 80.0466, 58.9714



16.2748, 17.5755, 22.7846



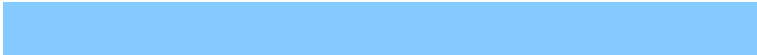
0.0000, 0.0000, 0.0000



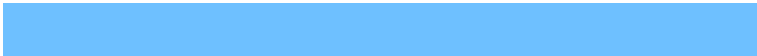
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8450, 54.4495, 102.5431



43.2552, 48.1491, 101.6217



37.2691, 31.2976, 98.6845



17.8556, 19.0828, 22.9922



14.8117, 14.5330, 51.4591



1.5509, 1.6325, 5.0466

Inverse Universe

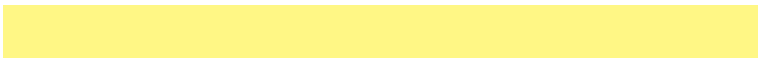
The Inverse Universe completely reimagines the original color for something new.



60.2893, 42.3010, 60.8664



56.2768, 36.1359, 53.7950



78.6941, 89.3938, 35.2994



18.4398, 18.1592, 20.9329



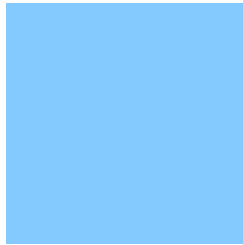
24.2645, 12.1951, 15.3091



2.4174, 1.2093, 1.7795

Previews

White Background



This preview shows how the XYZ color 48.8434, 54.4476, 102.5429 looks on a white background.

Color Contrast Check

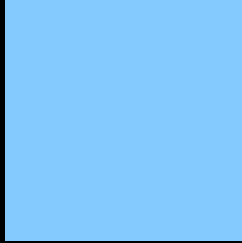
Large Text (above 18pt) WCAG AA × Fail

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 48.8434, 54.4476, 102.5429 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

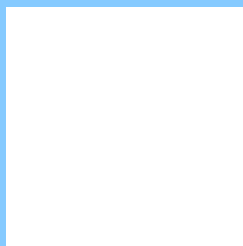
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8434, 54.4476, 102.5429

Background



This preview shows how black text looks on a background with the XYZ color 48.8434, 54.4476, 102.5429.



This preview shows how white text looks on a background with the XYZ color 48.8434, 54.4476,

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

48.8434, 54.4476, 102.5429

Protanopia

54.6153, 54.1799, 96.3862

Deuteranopia

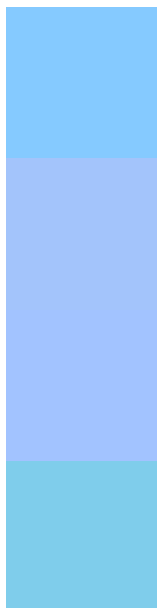
55.2712, 54.0653, 102.1303



Tritanopia

43.9357, 54.2184, 78.6706

Trichromacy



Original Color

48.8434, 54.4476, 102.5429

Protanomaly

52.2568, 54.2314, 98.9803

Deuteranomaly

52.4654, 53.9316, 102.2524

Tritanomaly

45.5791, 54.1728, 86.6514

Monochromacy



Original Color

48.8434, 54.4476, 102.5429

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.6697, 50.6682, 69.6075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8434, 54.4476, 102.5429 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, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 202, 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, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 202, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.8434, 54.4476, 102.5429 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, 202, 255) }
```


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

```
.border{ border-color:rgb(133, 202, 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, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 202,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8434, 54.4476, 102.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 202, 255) }
```

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

```
.background{ background-color: rgb(133,  
202, 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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