

Converting Colors

XYZ(48.9311, 54.9284,
103.2828)

Have a look what the booklet for
XYZ(48.9311, 54.9284, 103.2828)
contains.

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Color

**XYZ(48.7660, 54.7572,
102.6067)**

Conversions

Conversions Part 1

Format	Color
Hex	83CBFF
RGB	131, 203, 255
RGB Percent	51%, 80%, 100%
CMY	0.4863, 0.2039, 0.0000
CMYK	0.49, 0.20, 0.00, 0.00
HSL	205°, 100%, 76%
HSV	205°, 49%, 100%
XYZ	48.7660, 54.7572, 102.6067
YIQ	187.4000, -59.6040, 0.9080

Conversions

Conversions Part 2

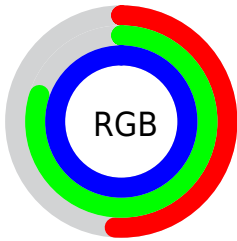
Format	Color
R_{YB}	131, 177, 255
Decimal	8637439
CIE Lab	78.90, -8.78, -32.46
CIE LCh	79, 33.624, 254.867
Yxy	54.7572, 0.2366, 0.2656
Android (android.graphics.Color)	4286827519 (0xFF83CBFF)
YUV	187.4000, 33.3268, -49.4628
Hunter-Lab	73.9981, -11.8622, -30.4136

Details

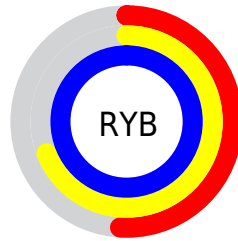
The XYZ color **48.7660, 54.7572, 102.6067** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.2710, 56.7667, 29.1497**, and the grayscale version is **47.3032, 49.7666, 54.1959**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **23.5390, 26.9117, 57.3799** is the 20% darker color. If you saturate the color by 10%, you get **42.8530, 48.0895, 101.6313**, and if you desaturate by 10%, it is **55.8282, 62.2782, 103.6862**.

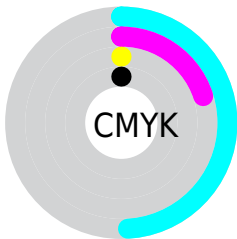
Distribution



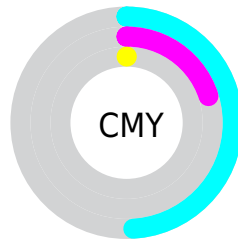
- Red (51%)
- Green (80%)
- Blue (100%)



- Red (51%)
- Yellow (69%)
- Blue (100%)



- Cyan (49%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7660, 54.7572, 102.6067 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 48.7660, 54.7572, 102.6067 by changing the saturation by 10% instead.

■ 48.7660, 54.7572,
102.6067

■ 48.7660, 54.7572,
102.6067

372.3526,
404.9909, 589.8360

■ 34.6477, 39.2074,
77.8503

■ 87.5466, 97.1851,
166.8178

■ 23.5568, 26.9211,
57.4353

■ 112.9396,
124.8320, 207.1096

■ 15.1282, 17.5140,
40.9431

■ 142.8216,
157.2800, 253.4170

■ 8.9963, 10.6016,
27.9553

177.5578,
194.9136, 306.1584

■ 4.7958, 5.7996,
18.0532

217.5136,
238.1170, 365.7525

■ 2.1615, 2.7236,
10.8184

263.0545,

■ 0.7223, 0.9892,

287.2748, 432.6178

5.8322

314.5457,
342.7713, 507.1727

■ 0.0000, 0.0000,
2.6762

■ 0.0000, 0.0000,
0.9314

■ 48.7660, 54.7572,
102.6067

■ 48.7660, 54.7572,
102.6067

■ 42.8530, 48.0895,
101.6313

■ 55.8282, 62.2782,
103.6862

■ 38.0083, 42.2248,
100.7547

■ 64.1033, 70.6869,
104.8731

■ 34.1470, 37.1152,
99.9719

■ 73.6558, 80.0227,
106.1716

■ 31.1676, 32.7027,
99.2773

■ 84.5439, 90.3203,
107.5854

■ 28.9264, 28.9077, 95.0500, 100.0000,
98.6629 108.9000

■ 28.6504, 28.4207,
98.5835

Harmonies

Analogous

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



43.4686, 54.7572, 89.4922



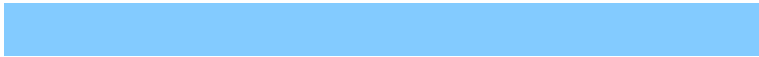
48.7660, 54.7572, 102.6067



55.4080, 54.7572, 102.6701

Triad

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



48.7660, 54.7572, 102.6067



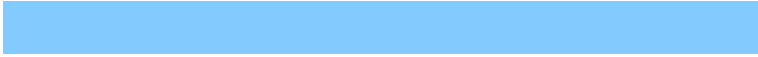
65.4612, 54.7572, 50.6790



43.5059, 54.7572, 37.1806

Complementary

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



48.7660, 54.7572, 102.6067



62.2710, 56.7667, 29.1497

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.



48.8211, 54.7572, 30.6846



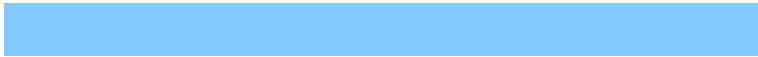
48.7660, 54.7572, 102.6067



61.6814, 54.7572, 37.2686

Square

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



48.7660, 54.7572, 102.6067



65.4432, 54.7572, 69.7407



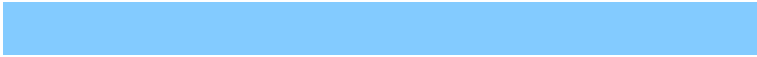
55.4679, 54.7572, 30.7129



40.6130, 54.7572, 50.5314

Rectangle

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



48.7660, 54.7572, 102.6067



59.7322, 54.7572, 95.1494



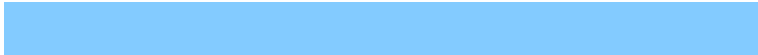
55.4679, 54.7572, 30.7129



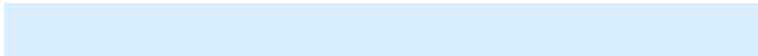
45.0475, 54.7572, 34.2627

Sweetspot

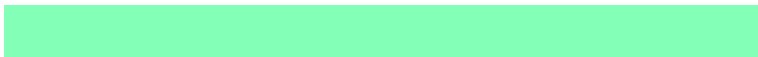
The Sweet Spot groups the original color and five complimentary colors.



48.7676, 54.7592, 102.6070



77.4458, 83.6430, 106.6706



53.6338, 79.7509, 57.1864



16.1003, 17.4491, 22.7694



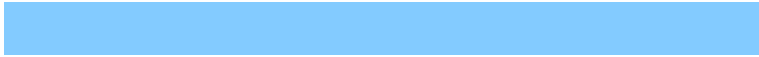
0.0000, 0.0000, 0.0000



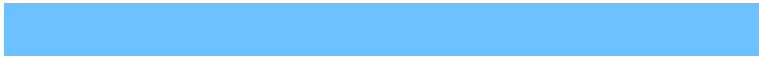
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7676, 54.7592, 102.6070



43.1907, 48.4825, 101.6894



36.9858, 31.1954, 98.6797



17.8792, 19.1300, 23.0001



15.1214, 15.1524, 51.5623



1.5804, 1.6915, 5.0565

Inverse Universe

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



60.1369, 41.8060, 61.4018



56.1314, 35.6456, 54.3614



77.8889, 88.0024, 34.3556



18.4517, 18.1640, 20.9957



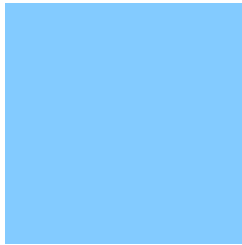
24.4208, 12.2576, 16.1322



2.4323, 1.2153, 1.8580

Previews

White Background



This preview shows how the XYZ color 48.7660, 54.7572, 102.6067 looks on a white background.

Color Contrast Check

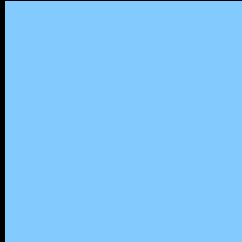
Large Text (above 18pt) WCAG AA × Fail

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 48.7660, 54.7572, 102.6067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

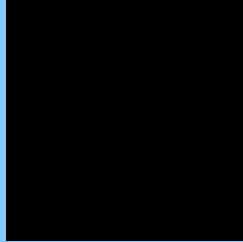
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

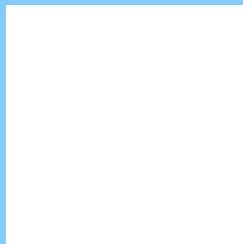
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7660, 54.7572, 102.6067

Background



This preview shows how black text looks on a background with the XYZ color 48.7660, 54.7572, 102.6067.



This preview shows how white text looks on a background with the XYZ color 48.7660, 54.7572,

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

48.7660, 54.7572, 102.6067

Protanopia

54.6942, 54.2384, 95.5821

Deuteranopia

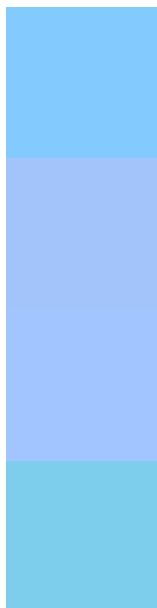
55.7220, 54.6226, 102.2141



Tritanopia

44.1725, 54.6856, 79.4614

Trichromacy



Original Color

48.7660, 54.7572, 102.6067

Protanomaly

52.0995, 54.1685, 98.1521

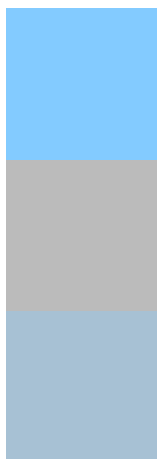
Deuteranomaly

52.6902, 54.3812, 102.3273

Tritanomaly

45.6691, 54.5587, 87.4808

Monochromacy



Original Color

48.7660, 54.7572, 102.6067

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.8900, 51.1089, 69.6810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7660, 54.7572, 102.6067 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(131, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 203, 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(131, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 203, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.7660, 54.7572, 102.6067 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(131, 203, 255) }
```


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

```
.border{ border-color:rgb(131, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 203,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7660, 54.7572, 102.6067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 203, 255) }
```

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

```
.background{ background-color: rgb(131,  
203, 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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