

Converting Colors

XYZ(47.9732, 53.9995,
102.3818)

Have a look what the booklet for
XYZ(47.9732, 53.9995, 102.3818)
contains.

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Color

**XYZ(48.0726, 54.0503,
102.5068)**

Conversions

Conversions Part 1

Format	Color
Hex	80CAFF
RGB	128, 202, 255
RGB Percent	50%, 79%, 100%
CMY	0.4980, 0.2078, 0.0000
CMYK	0.50, 0.21, 0.00, 0.00
HSL	205°, 100%, 75%
HSV	205°, 50%, 100%
XYZ	48.0726, 54.0503, 102.5068
YIQ	185.9160, -61.1170, 0.7950

Conversions

Conversions Part 2

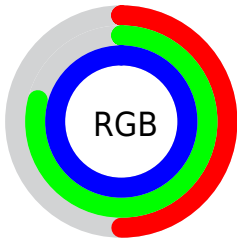
Format	Color
RYB	128, 175, 255
Decimal	8440575
CIELab	78.49, -8.92, -33.10
CIELCh	78, 34.281, 254.925
Yxy	54.0503, 0.2349, 0.2641
Android (android.graphics.Color)	4286630655 (0xFF80CAFF)
YUV	185.9160, 34.0584, -50.7923
Hunter-Lab	73.5189, -11.9404, -31.2043

Details

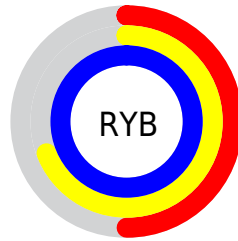
The XYZ color **48.0726, 54.0503, 102.5068** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.6610, 55.8673, 27.9576**, and the grayscale version is **46.4666, 48.8865, 53.2374**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **23.0977, 26.4503, 57.3141** is the 20% darker color. If you saturate the color by 10%, you get **42.2968, 47.4940, 101.5457**, and if you desaturate by 10%, it is **54.9875, 61.4516, 103.5709**.

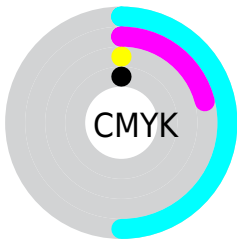
Distribution



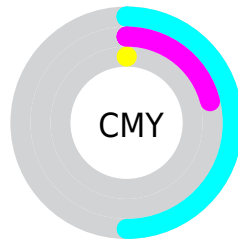
- Red (50%)
- Green (79%)
- Blue (100%)



- Red (50%)
- Yellow (69%)
- Blue (100%)



- Cyan (50%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0726, 54.0503, 102.5068 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 48.0726, 54.0503, 102.5068 by changing the saturation by 10% instead.

■ 48.0726, 54.0503,
102.5068

■ 48.0726, 54.0503,
102.5068

369.6576,
402.3018, 589.5153

■ 34.0959, 38.6419,
77.7672

■ 86.5215, 96.1481,
166.6797

■ 23.1305, 26.4812,
57.3674

■ 111.7244,
123.6063, 206.9501

■ 14.8111, 17.1840,
40.8890

■ 141.4001,
155.8498, 253.2344

■ 8.7724, 10.3658,
27.9133

175.9139,
193.2631, 305.9514

■ 4.6489, 5.6421,
18.0219

215.6313,
236.2305, 365.5194

■ 2.0754, 2.6287,
10.7961

260.9174,

■ 0.6758, 0.9411,

285.1365, 432.3570

5.8174

312.1377,
340.3655, 506.8828

■ 0.0000, 0.0000,
2.6674

■ 0.0000, 0.0000,
0.9270

■ 48.0726, 54.0503,
102.5068

■ 48.0726, 54.0503,
102.5068

■ 42.2968, 47.4940,
101.5457

■ 54.9875, 61.4516,
103.5709

■ 37.5781, 41.7321,
100.6823

■ 63.1059, 69.7329,
104.7415

■ 33.8303, 36.7160,
99.9116

■ 72.4929, 78.9335,
106.0226

■ 30.9496, 32.3866,
99.2278

■ 83.2072, 89.0885,
107.4181

■ 28.7715, 28.6535, 95.0500, 100.0000,
98.6220 108.9000

■ 28.7319, 28.5837,
98.6106

Harmonies

Analogous

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



42.7249, 54.0503, 89.1787



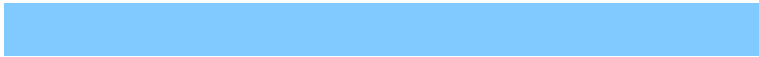
48.0726, 54.0503, 102.5068



54.7871, 54.0503, 102.5434

Triad

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



48.0726, 54.0503, 102.5068



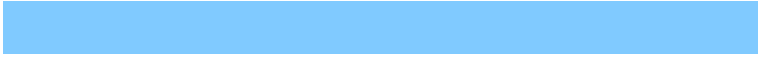
64.9548, 54.0503, 49.7924



42.7462, 54.0503, 36.2715

Complementary

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



48.0726, 54.0503, 102.5068



61.6610, 55.8673, 27.9576

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.



48.1041, 54.0503, 29.7578



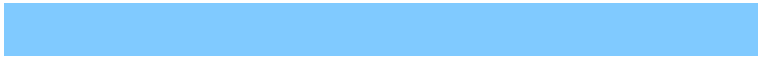
48.0726, 54.0503, 102.5068



61.1162, 54.0503, 36.3215

Square

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



48.0726, 54.0503, 102.5068



64.9445, 54.0503, 69.0527



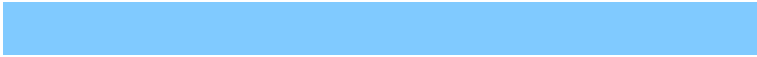
54.8215, 54.0503, 29.7738



39.8379, 54.0503, 49.7081

Rectangle

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



48.0726, 54.0503, 102.5068



59.1634, 54.0503, 94.8697



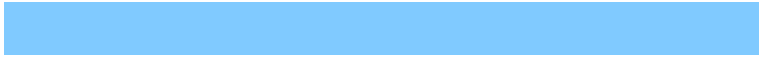
54.8215, 54.0503, 29.7738



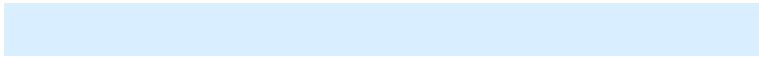
44.2987, 54.0503, 33.3441

Sweetspot

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



48.0742, 54.0522, 102.5071



77.4686, 83.6885, 106.6782



52.9952, 79.4425, 56.2138



16.1057, 17.4601, 22.7712



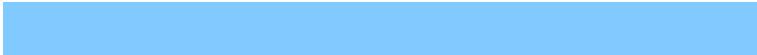
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



48.0742, 54.0522, 102.5071



42.1932, 47.3722, 101.5277



36.1260, 30.1559, 98.5244



17.8824, 19.1364, 23.0011



15.1639, 15.2374, 51.5765



1.5844, 1.6996, 5.0578

Inverse Universe

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



59.6209, 40.9642, 60.6437



55.4120, 34.5310, 53.1219



77.6130, 87.7713, 33.2749



18.4533, 18.1646, 21.0042



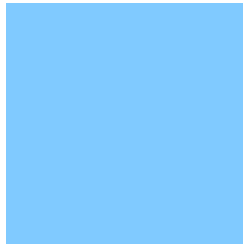
24.4422, 12.2662, 16.2452



2.4344, 1.2161, 1.8688

Previews

White Background



This preview shows how the XYZ color 48.0726, 54.0503, 102.5068 looks on a white background.

Color Contrast Check

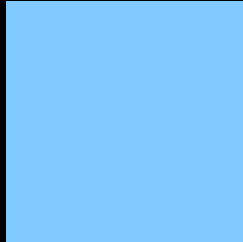
Large Text (above 18pt) WCAG AA × Fail

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 48.0726, 54.0503, 102.5068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

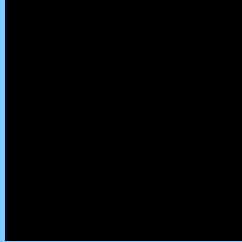
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

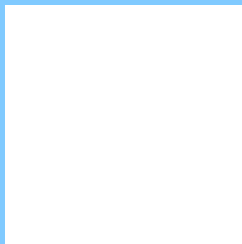
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0726, 54.0503, 102.5068

Background



This preview shows how black text looks on a background with the XYZ color 48.0726, 54.0503, 102.5068.



This preview shows how white text looks on a background with the XYZ color 48.0726, 54.0503,

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

48.0726, 54.0503, 102.5068

Protanopia

54.0097, 53.5607, 95.4873

Deuteranopia

54.8123, 53.8287, 102.1088



Tritanopia

43.2386, 53.8590, 78.6379

Trichromacy



Original Color

48.0726, 54.0503, 102.5068

Protanomaly

51.2676, 53.4059, 98.0488

Deuteranomaly

51.8632, 53.6211, 102.2242

Tritanomaly

44.8528, 53.7984, 86.6174

Monochromacy



Original Color

48.0726, 54.0503, 102.5068

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.1246, 50.4018, 68.9255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0726, 54.0503, 102.5068 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(128, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 202, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.0726, 54.0503, 102.5068 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(128, 202, 255) }
```


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

```
.border{ border-color:rgb(128, 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(128, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 202,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0726, 54.0503, 102.5068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 202, 255) }
```

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

```
.background{ background-color: rgb(128,  
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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