

Converting Colors

XYZ(48.9731, 59.6728,
118.4875)

Have a look what the booklet for
XYZ(48.9731, 59.6728, 118.4875)
contains.

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Color

**XYZ(46.0873, 58.5080,
103.4719)**

Conversions

Conversions Part 1

Format	Color
Hex	4FD9FF
RGB	79, 217, 255
RGB Percent	31%, 85%, 100%
CMY	0.6902, 0.1490, 0.0000
CMYK	0.69, 0.15, 0.00, 0.00
HSL	193°, 100%, 65%
HSV	193°, 69%, 100%
XYZ	46.0873, 58.5080, 103.4719
YIQ	180.0700, -94.4460, -17.4380

Conversions

Conversions Part 2

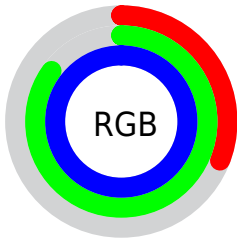
Format	Color
RYB	79, 156, 255
Decimal	5233151
CIELab	81.02, -25.38, -29.35
CIELCh	81, 38.804, 229.153
Yxy	58.5080, 0.2215, 0.2812
Android (android.graphics.Color)	4283423231 (0xFF4FD9FF)
YUV	180.0700, 36.9405, -88.6384
Hunter-Lab	76.4905, -26.3081, -26.6607

Details

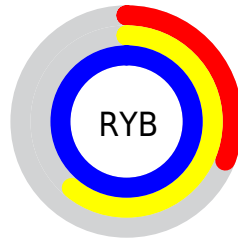
The XYZ color **46.0873, 58.5080, 103.4719** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **49.0139, 34.5490, 11.4845**, and the grayscale version is **43.2666, 45.5198, 49.5711**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **23.1134, 29.9179, 57.9826** is the 20% darker color. If you saturate the color by 10%, you get **42.9633, 54.8269, 102.9260**, and if you desaturate by 10%, it is **50.0750, 62.7069, 104.0722**.

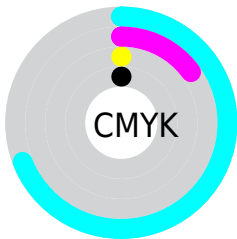
Distribution



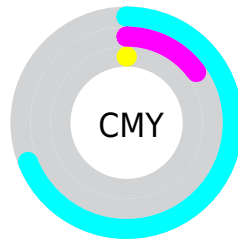
- Red (31%)
- Green (85%)
- Blue (100%)



- Red (31%)
- Yellow (61%)
- Blue (100%)



- Cyan (69%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0873, 58.5080, 103.4719 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 46.0873, 58.5080, 103.4719 by changing the saturation by 10% instead.

46.0873, 58.5080,
103.4719

46.0873, 58.5080,
103.4719

361.8696,
419.0762, 592.6090

32.5196, 42.2172,
78.5702

83.5767, 102.6623,
168.0136

21.9162, 29.2714,
58.0233

108.2291,
131.2945, 208.4907

13.9116, 19.2862,
41.4126

137.3072,
164.8093, 254.9967

8.1405, 11.8773,
28.3195

171.1763,
203.5911, 307.9501

4.2375, 6.6602,
18.3255

210.2017,
248.0243, 367.7695

1.8374, 3.2505,
11.0121

254.7488,

0.5400, 1.2639,

298.4933, 434.8734

5.9607

305.1830,
355.3825, 509.6804

■ 0.0000, 0.1130,
2.7528

■ 0.0000, 0.0000,
0.9698

■ 46.0873, 58.5080,
103.4719

■ 46.0873, 58.5080,
103.4719

■ 42.9633, 54.8269,
102.9260

■ 50.0750, 62.7069,
104.0722

■ 40.5986, 51.6058,
102.4289

■ 55.0049, 67.4613,
104.7300

■ 38.8485, 48.7704,
101.9738

■ 60.9521, 72.8118,
105.4493

■ 38.6914, 48.5028,
101.9305

■ 67.9825, 78.7929,
106.2332

■ 76.1563, 85.4364,
107.0847

■ 85.5292, 92.7715,
108.0066

95.0500, 100.0000,
108.9000

Harmonies

Analogous

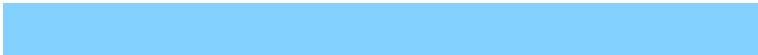
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.2310, 58.5080, 79.3861



46.0873, 58.5080, 103.4719



52.7474, 58.5080, 117.9216

Triad

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



46.0873, 58.5080, 103.4719



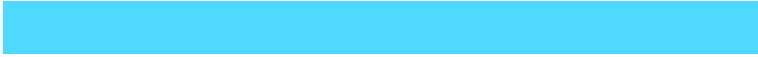
72.2415, 58.5080, 72.4181



50.6842, 58.5080, 30.3319

Complementary

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



46.0873, 58.5080, 103.4719



49.0139, 34.5490, 11.4845

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.



58.5745, 58.5080, 29.3298



46.0873, 58.5080, 103.4719



71.5529, 58.5080, 50.2385

Square

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



46.0873, 58.5080, 103.4719



68.1615, 58.5080, 97.3240



66.3618, 58.5080, 35.7089



44.7026, 58.5080, 38.8855

Rectangle

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



46.0873, 58.5080, 103.4719



58.1091, 58.5080, 118.2651



66.3618, 58.5080, 35.7089



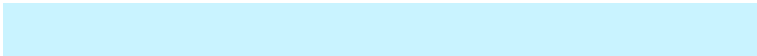
53.1838, 58.5080, 29.1943

Sweetspot

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



46.0890, 58.5100, 103.4722



74.4405, 84.0638, 106.9102



42.0345, 74.4024, 28.1276



15.4390, 17.5940, 22.8322



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.



46.0890, 58.5100, 103.4722



41.9361, 53.4913, 102.7223



29.5005, 25.3331, 97.9427



18.2025, 19.7766, 23.1078



20.3312, 25.5720, 53.2989



2.0583, 2.6473, 5.2158

Inverse Universe

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



56.5615, 31.8634, 68.8169



53.6629, 27.6318, 63.0241



63.8199, 64.1612, 16.4199



18.6149, 18.2293, 21.8550



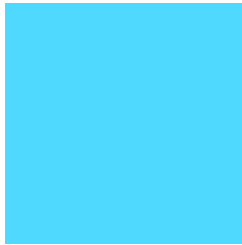
27.0504, 13.3095, 29.9798



2.6736, 1.3118, 3.1283

Previews

White Background



This preview shows how the XYZ color 46.0873, 58.5080, 103.4719 looks on a white background.

Color Contrast Check

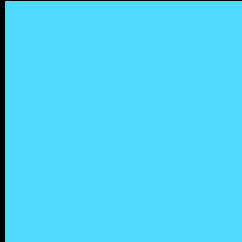
Large Text (above 18pt) WCAG AA × Fail

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 46.0873, 58.5080, 103.4719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

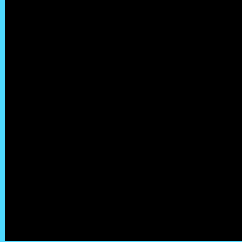
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0873, 58.5080, 103.4719

Background



This preview shows how black text looks on a background with the XYZ color 46.0873, 58.5080, 103.4719.

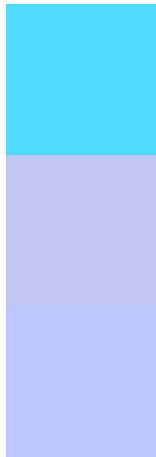


This preview shows how white text looks on a background with the XYZ color 46.0873, 58.5080,

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

46.0873, 58.5080, 103.4719

Protanopia

57.4563, 57.7461, 92.1222

Deuteranopia

58.7553, 57.8439, 102.6760



Tritanopia

43.4097, 58.5884, 89.9097

Trichromacy



Original Color

46.0873, 58.5080, 103.4719



Protanomaly

51.1975, 56.8621, 96.2728



Deuteranomaly

51.8556, 56.7016, 102.8192



Tritanomaly

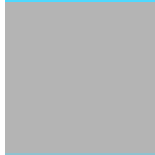
44.3331, 58.5724, 94.5570

Monochromacy



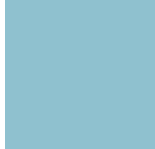
Original Color

46.0873, 58.5080, 103.4719



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

41.6601, 48.4846, 66.1942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0873, 58.5080, 103.4719 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(79, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 217, 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(79, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.0873, 58.5080, 103.4719 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(79, 217, 255) }
```


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

```
.border{ border-color:rgb(79, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0873, 58.5080, 103.4719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 217, 255) }
```

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

```
.background{ background-color: rgb(79, 217,  
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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