

Converting Colors

XYZ(46.0546, 58.5913,
103.4897)

Have a look what the booklet for
XYZ(46.0546, 58.5913, 103.4897)
contains.

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Color

**XYZ(46.0047, 58.4654,
103.4680)**

Conversions

Conversions Part 1

Format	Color
Hex	4ED9FF
RGB	78, 217, 255
RGB Percent	31%, 85%, 100%
CMY	0.6941, 0.1490, 0.0000
CMYK	0.69, 0.15, 0.00, 0.00
HSL	193°, 100%, 65%
HSV	193°, 69%, 100%
XYZ	46.0047, 58.4654, 103.4680
YIQ	179.7710, -95.0420, -17.6500

Conversions

Conversions Part 2

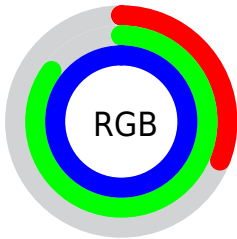
Format	Color
R _Y B	78, 156, 255
Decimal	5167615
CIE Lab	81.00, -25.51, -29.39
CIE LCh	81, 38.921, 229.041
Yxy	58.4654, 0.2212, 0.2812
Android (android.graphics.Color)	4283357695 (0xFF4ED9FF)
YUV	179.7710, 37.0879, -89.2532
Hunter-Lab	76.4627, -26.4130, -26.7064

Details

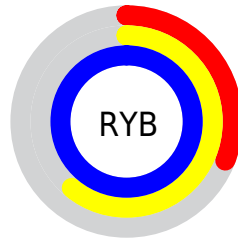
The XYZ color **46.0047, 58.4654, 103.4680** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **48.8618, 34.3028, 11.2555**, and the grayscale version is **43.1060, 45.3509, 49.3871**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **23.1134, 29.9179, 57.9826** is the 20% darker color. If you saturate the color by 10%, you get **42.9184, 54.8153, 102.9261**, and if you desaturate by 10%, it is **49.9506, 62.6304, 104.0640**.

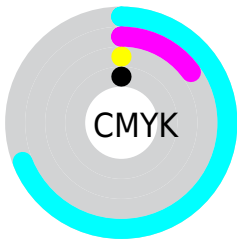
Distribution



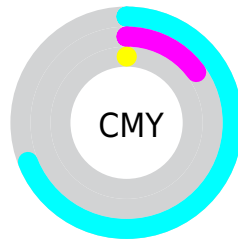
- Red (31%)
- Green (85%)
- Blue (100%)



- 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 46.0047, 58.4654, 103.4680 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 46.0047, 58.4654, 103.4680 by changing the saturation by 10% instead.

46.0047, 58.4654,
103.4680

46.0047, 58.4654,
103.4680

361.5432,
418.9179, 592.5965

32.4542, 42.1829,
78.5670

83.4539, 102.6003,
168.0082

21.8659, 29.2445,
58.0206

108.0832,
131.2215, 208.4845

13.8744, 19.2659,
41.4104

137.1362,
164.7243, 254.9896

8.1145, 11.8626,
28.3178

170.9781,
203.4933, 307.9420

4.2207, 6.6502,
18.3242

209.9745,
247.9127, 367.7604

1.8277, 3.2443,
11.0112

254.4905,

0.5343, 1.2606,

298.3671, 434.8633

5.9601

304.8916,
355.2406, 509.6691

■ 0.0000, 0.1104,
2.7524

■ 0.0000, 0.0000,
0.9697

■ 46.0047, 58.4654,
103.4680

■ 46.0047, 58.4654,
103.4680

■ 42.9184, 54.8153,
102.9261

■ 49.9506, 62.6304,
104.0640

■ 40.5866, 51.6218,
102.4326

■ 54.8351, 67.3484,
104.7172

■ 38.8577, 48.8073,
101.9805

■ 60.7336, 72.6598,
105.4315

■ 38.7635, 48.6469,
101.9545

■ 67.7124, 78.5996,
106.2102

■ 75.8317, 85.1994,
107.0561

■ 85.1474, 92.4887,
107.9721

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.



42.1527, 58.4654, 79.2880



46.0047, 58.4654, 103.4680



52.6713, 58.4654, 118.0233

Triad

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



46.0047, 58.4654, 103.4680



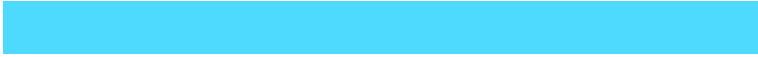
72.2407, 58.4654, 72.4875



50.6588, 58.4654, 30.2101

Complementary

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



46.0047, 58.4654, 103.4680



48.8618, 34.3028, 11.2555

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.



58.5724, 58.4654, 29.2343



46.0047, 58.4654, 103.4680



71.5684, 58.4654, 50.2317

Square

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



46.0047, 58.4654, 103.4680



68.1326, 58.4654, 97.4646



66.3761, 58.4654, 35.6478



44.6545, 58.4654, 38.7427

Rectangle

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



46.0047, 58.4654, 103.4680



58.0442, 58.4654, 118.4136



66.3761, 58.4654, 35.6478



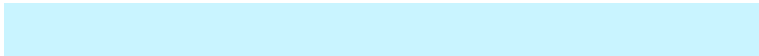
53.1664, 58.4654, 29.0808

Sweetspot

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



46.0064, 58.4674, 103.4683



74.4601, 84.1030, 106.9168



41.9065, 74.3416, 27.8843



15.4437, 17.6034, 22.8338



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.



46.0064, 58.4674, 103.4683



41.9996, 53.6183, 102.7435



29.3235, 25.1017, 97.9073



18.2045, 19.7805, 23.1085



20.3684, 25.6465, 53.3113



2.0616, 2.6540, 5.2169

Inverse Universe

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



56.4899, 31.7202, 68.7930



53.6950, 27.6446, 63.1929



63.7134, 64.0059, 16.2061



18.6158, 18.2297, 21.8602



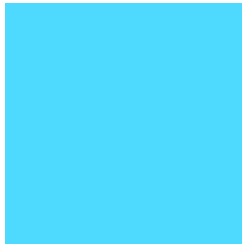
27.0692, 13.3170, 30.0788



2.6752, 1.3125, 3.1372

Previews

White Background



This preview shows how the XYZ color 46.0047, 58.4654, 103.4680 looks on a white background.

Color Contrast Check

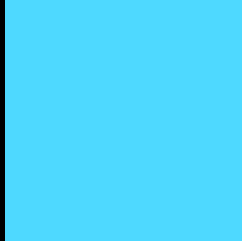
Large Text (above 18pt) WCAG AA × Fail

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 46.0047, 58.4654, 103.4680 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 46.0047, 58.4654, 103.4680

Background



This preview shows how black text looks on a background with the XYZ color 46.0047, 58.4654, 103.4680.

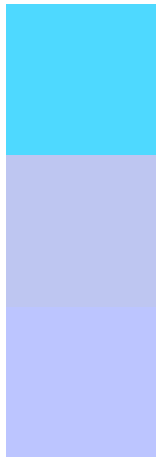


This preview shows how white text looks on a background with the XYZ color 46.0047, 58.4654,

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

46.0047, 58.4654, 103.4680

Protanopia

57.3065, 57.6862, 91.3333

Deuteranopia

58.7553, 57.8439, 102.6760



Tritanopia

43.3406, 58.5527, 89.9064

Trichromacy



Original Color

46.0047, 58.4654, 103.4680



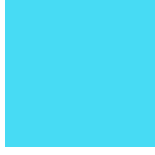
Protanomaly

50.8603, 56.7060, 95.4535



Deuteranomaly

51.8556, 56.7016, 102.8192



Tritanomaly

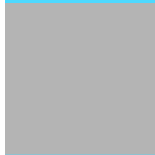
44.2592, 58.5343, 94.5535

Monochromacy



Original Color

46.0047, 58.4654, 103.4680



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 46.0047, 58.4654, 103.4680 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(78, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(78, 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(78, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.0047, 58.4654, 103.4680 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(78, 217, 255) }
```


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

```
.border{ border-color:rgb(78, 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(78, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(78, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0047, 58.4654, 103.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 217, 255) }
```

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

```
.background{ background-color: rgb(78, 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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