

Converting Colors

XYZ(50.7447, 56.6813,
127.2170)

Have a look what the booklet for
XYZ(50.7447, 56.6813, 127.2170)
contains.

XYZ(46.0717, 54.7887, 102.7548)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.0717, 54.7887,
102.7548)**

Conversions

Conversions Part 1

Format	Color
Hex	68CFFF
RGB	104, 207, 255
RGB Percent	41%, 81%, 100%
CMY	0.5921, 0.1882, 0.0000
CMYK	0.59, 0.19, 0.00, 0.00
HSL	199°, 100%, 70%
HSV	199°, 59%, 100%
XYZ	46.0717, 54.7887, 102.7548
YIQ	181.6750, -76.7960, -6.9080

Conversions

Conversions Part 2

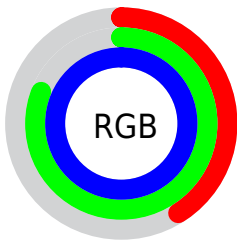
Format	Color
RYB	104, 165, 255
Decimal	6868991
CIELab	78.92, -16.37, -32.52
CIELCh	79, 36.408, 243.284
Yxy	54.7887, 0.2263, 0.2691
Android (android.graphics.Color)	4285059071 (0xFF68CFFF)
YUV	181.6750, 36.1492, -68.1210
Hunter-Lab	74.0194, -18.4306, -30.4937

Details

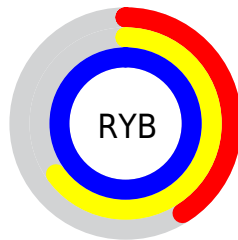
The XYZ color **46.0717, 54.7887, 102.7548** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.9680, 44.7175, 18.8329**, and the grayscale version is **44.1282, 46.4263, 50.5583**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **21.9610, 27.0539, 57.4905** is the 20% darker color. If you saturate the color by 10%, you get **41.6334, 49.6608, 101.9989**, and if you desaturate by 10%, it is **51.5087, 60.5833, 103.5867**.

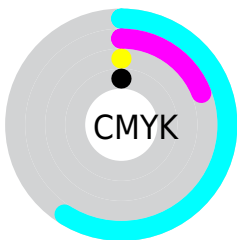
Distribution



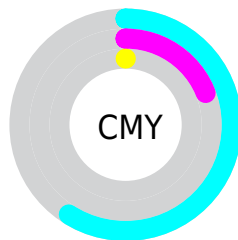
- Red (41%)
- Green (81%)
- Blue (100%)



- Red (41%)
- Yellow (65%)
- Blue (100%)



- Cyan (59%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0717, 54.7887, 102.7548 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 46.0717, 54.7887, 102.7548 by changing the saturation by 10% instead.

46.0717, 54.7887,
102.7548

46.0717, 54.7887,
102.7548

361.8079,
405.1105, 590.3111

32.5073, 39.2326,
77.9735

83.5535, 97.2313,
167.0226

21.9067, 26.9407,
57.5359

108.2016,
124.8866, 207.3461

13.9046, 17.5287,
41.0234

137.2749,
157.3437, 253.6876

8.1356, 10.6122,
28.0176

171.1389,
194.9870, 306.4653

4.2344, 5.8067,
18.0997

210.1588,
238.2009, 366.0981

1.8356, 2.7279,
10.8514

254.7000,

0.5390, 0.9914,

287.3699, 433.0042

5.8541

305.1280,
342.8783, 507.6024

■ 0.0000, 0.0000,
2.6892

■ 0.0000, 0.0000,
0.9380

■ 46.0717, 54.7887,
102.7548

■ 46.0717, 54.7887,
102.7548

■ 41.6334, 49.6608,
101.9989

■ 51.5087, 60.5833,
103.5867

■ 38.1039, 45.1477,
101.3138

■ 58.0141, 67.0795,
104.4977

■ 35.3842, 41.1974,
100.6947

■ 65.6564, 74.3157,
105.4917

■ 33.3234, 37.7295,
100.1339

■ 74.4971, 82.3258,
106.5718

■ 33.1748, 37.4695,
100.0916

■ 84.5928, 91.1410,
107.7412

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.



41.2965, 54.7887, 84.2811



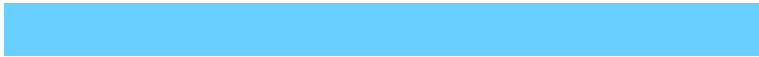
46.0717, 54.7887, 102.7548



52.8753, 54.7887, 108.8866

Triad

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



46.0717, 54.7887, 102.7548



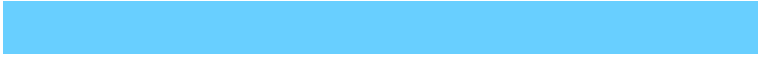
67.2238, 54.7887, 57.4041



44.8123, 54.7887, 32.1783

Complementary

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



46.0717, 54.7887, 102.7548



54.9680, 44.7175, 18.8329

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.



51.2828, 54.7887, 28.0813



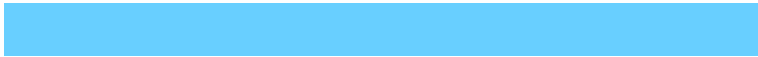
46.0717, 54.7887, 102.7548



64.5826, 54.7887, 40.3651

Square

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



46.0717, 54.7887, 102.7548



65.5061, 54.7887, 79.4051



58.5784, 54.7887, 30.6907



40.6180, 54.7887, 43.4865

Rectangle

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



46.0717, 54.7887, 102.7548



57.7658, 54.7887, 104.2101



58.5784, 54.7887, 30.6907



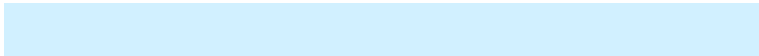
46.7708, 54.7887, 30.0481

Sweetspot

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



46.0733, 54.7906, 102.7551



75.6536, 83.3515, 106.7088



47.1227, 76.7247, 41.9550



15.6057, 17.3182, 22.7702



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.



46.0733, 54.7906, 102.7551



40.9384, 48.8104, 101.8714



31.9690, 26.5819, 98.0536



18.0394, 19.4504, 23.0535



17.4750, 19.8595, 52.3468



1.7999, 2.1306, 5.1296

Inverse Universe

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



57.4539, 35.6672, 62.8897



53.8150, 30.2027, 56.0865



71.2952, 77.3719, 24.2753



18.5325, 18.1963, 21.4214



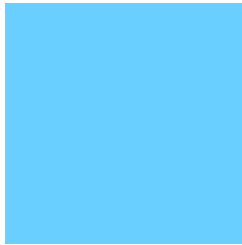
25.6088, 12.7328, 22.3879



2.5431, 1.2596, 2.4416

Previews

White Background



This preview shows how the XYZ color 46.0717, 54.7887, 102.7548 looks on a white background.

Color Contrast Check

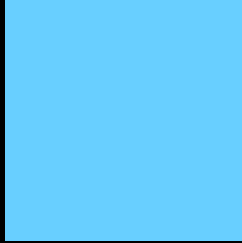
Large Text (above 18pt) WCAG AA × Fail

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 46.0717, 54.7887, 102.7548 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

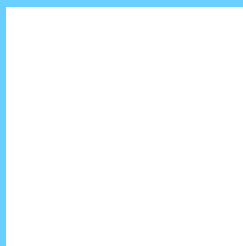
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0717, 54.7887, 102.7548

Background



This preview shows how black text looks on a background with the XYZ color 46.0717, 54.7887, 102.7548.

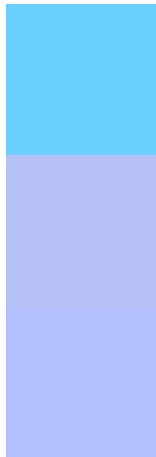


This preview shows how white text looks on a background with the XYZ color 46.0717, 54.7887,

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

46.0717, 54.7887, 102.7548

Protanopia

54.2348, 54.0547, 93.1631

Deuteranopia

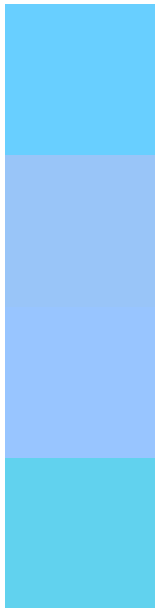
55.2712, 54.0653, 102.1303



Tritanopia

42.2005, 55.0713, 82.5344

Trichromacy



Original Color

46.0717, 54.7887, 102.7548

Protanomaly

50.0464, 53.4821, 96.4923

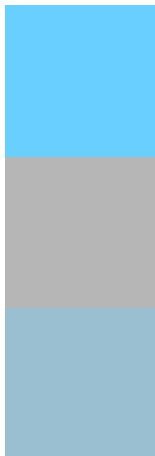
Deuteranomaly

50.9651, 53.8279, 102.3114

Tritanomaly

43.4090, 54.8076, 89.1800

Monochromacy



Original Color

46.0717, 54.7887, 102.7548

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.4659, 48.7351, 67.4375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0717, 54.7887, 102.7548 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(104, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 207, 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(104, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 207, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.0717, 54.7887, 102.7548 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(104, 207, 255) }
```


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

```
.border{ border-color:rgb(104, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 207,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0717, 54.7887, 102.7548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 207, 255) }
```

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

```
.background{ background-color: rgb(104,  
207, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor