

Converting Colors

XYZ(46.2202, 55.1874, 95.1218)

Have a look what the booklet for
XYZ(46.2202, 55.1874, 95.1218)
contains.

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Color

**XYZ(46.1498, 54.9925,
95.3710)**

Conversions

Conversions Part 1

Format	Color
Hex	74CFF6
RGB	116, 207, 246
RGB Percent	45%, 81%, 96%
CMY	0.5451, 0.1882, 0.0353
CMYK	0.53, 0.16, 0.00, 0.04
HSL	198°, 88%, 71%
HSV	198°, 53%, 96%
XYZ	46.1498, 54.9925, 95.3710
YIQ	184.2370, -66.7550, -7.1630

Conversions

Conversions Part 2

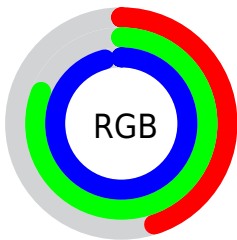
Format	Color
R _Y B	116, 170, 246
Decimal	7655414
CIE Lab	79.04, -16.65, -27.50
CIE LCh	79, 32.151, 238.804
Yxy	54.9925, 0.2348, 0.2798
Android (android.graphics.Color)	4285845494 (0xFF74CFF6)
YUV	184.2370, 30.4492, -59.8438
Hunter-Lab	74.1569, -18.6894, -24.3412

Details

The XYZ color **46.1498, 54.9925, 95.3710** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.8811, 44.2980, 22.2880**, and the grayscale version is **45.5560, 47.9284, 52.1941**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **22.0507, 27.2040, 52.8039** is the 20% darker color. If you saturate the color by 10%, you get **41.5564, 50.0330, 94.6568**, and if you desaturate by 10%, it is **51.6960, 60.5695, 96.1562**.

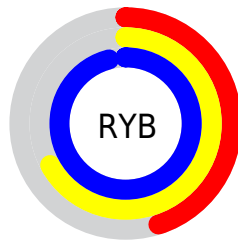
Distribution



Red (45%)

Green (81%)

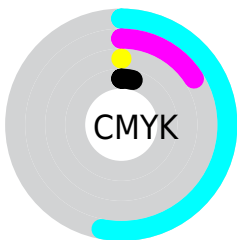
Blue (96%)



Red (45%)

Yellow (67%)

Blue (96%)

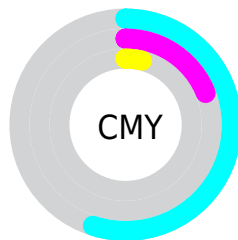


Cyan (53%)

Magenta (16%)

Yellow (0%)

Black (4%)



Cyan (55%)

Magenta (19%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1498, 54.9925, 95.3710 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 46.1498, 54.9925, 95.3710 by changing the saturation by 10% instead.

46.1498, 54.9925,
95.3710

46.1498, 54.9925,
95.3710

362.1164,
405.8835, 566.3667

32.5692, 39.3957,
71.8452

83.6696, 97.5300,
156.7770

21.9543, 27.0677,
52.5462

108.3395,
125.2394, 195.4944

13.9397, 17.6241,
37.0554

137.4366,
157.7553, 240.1126

8.1602, 10.6804,
24.9542

171.3262,
195.4618, 291.0503

4.2503, 5.8524,
15.8243

210.3736,
238.7436, 348.7261

1.8447, 2.7555,
9.2469

254.9442,

0.5444, 1.0055,

287.9848, 413.5583

4.8035

305.4033,
343.5700, 485.9657

■ 0.0000, 0.0000,
2.0757

■ 0.0000, 0.0000,
0.6013

■ 46.1498, 54.9925,
95.3710

■ 46.1498, 54.9925,
95.3710

■ 41.5564, 50.0330,
94.6568

■ 51.6960, 60.5695,
96.1562

■ 37.8393, 45.6466,
94.0061

■ 58.2531, 66.7921,
97.0117

■ 34.9185, 41.7914,
93.4159

■ 65.8804, 73.6939,
97.9418

■ 32.6947, 38.4144,
92.8813

■ 74.6312, 81.3037,
98.9495

■ 31.4258, 36.2360,
92.5277

■ 84.5549, 89.6486,
100.0371

■ 92.4603, 97.0850,
101.0559

■ 93.6347, 99.4339,
101.4473

Harmonies

Analogous

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



42.2091, 54.9925, 78.5161



46.1498, 54.9925, 95.3710



52.0124, 54.9925, 102.4811

Triad

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



46.1498, 54.9925, 95.3710



65.5638, 54.9925, 60.6159



46.5603, 54.9925, 33.9981

Complementary

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



46.1498, 54.9925, 95.3710



52.8811, 44.2980, 22.2880

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.



52.5259, 54.9925, 31.0995



46.1498, 54.9925, 95.3710



63.8117, 54.9925, 44.4499

Square

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



46.1498, 54.9925, 95.3710



63.5188, 54.9925, 80.0520



58.9059, 54.9925, 34.5049



42.4322, 54.9925, 43.4138

Rectangle

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



46.1498, 54.9925, 95.3710



56.3370, 54.9925, 99.8236



58.9059, 54.9925, 34.5049



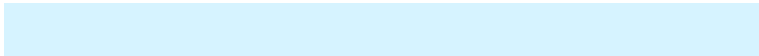
48.4012, 54.9925, 32.3259

Sweetspot

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



46.1516, 54.9945, 95.3723



77.8189, 85.5040, 107.0102



45.8957, 71.9202, 41.5298



16.2330, 17.9342, 22.8560



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.



46.1516, 54.9945, 95.3723



44.9679, 54.1499, 102.6897



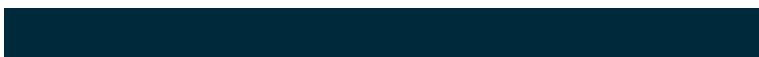
33.8372, 30.3658, 91.2675



16.5525, 17.8694, 21.1193



16.9023, 19.5984, 49.4300



1.5752, 1.9019, 4.3743

Inverse Universe

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



55.5154, 36.5903, 63.1703



56.5127, 33.8233, 62.4572



66.1880, 70.9117, 26.7236



16.9895, 16.6786, 19.6911



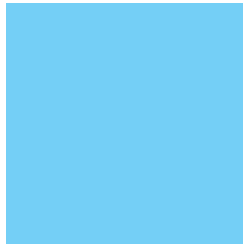
24.3360, 12.0778, 22.2756



2.1842, 1.0796, 2.1962

Previews

White Background



This preview shows how the XYZ color 46.1498, 54.9925, 95.3710 looks on a white background.

Color Contrast Check

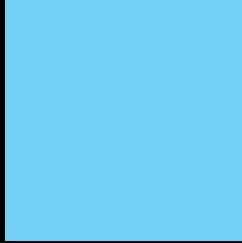
Large Text (above 18pt) WCAG AA × Fail

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 46.1498, 54.9925, 95.3710 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 46.1498, 54.9925, 95.3710

Background



This preview shows how black text looks on a background with the XYZ color 46.1498, 54.9925, 95.3710.



This preview shows how white text looks on a background with the XYZ color 46.1498, 54.9925,

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

46.1498, 54.9925, 95.3710

Protanopia

54.2179, 54.5103, 87.0208

Deuteranopia

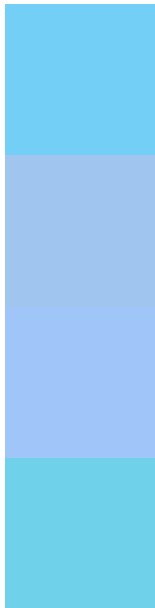
55.7373, 54.4154, 97.1881



Tritanopia

43.2184, 54.8904, 80.9901

Trichromacy



Original Color

46.1498, 54.9925, 95.3710

Protanomaly

50.4195, 54.1530, 90.2333

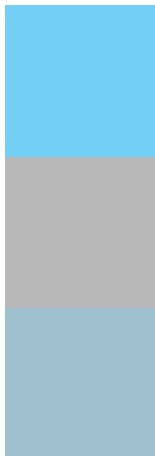
Deuteranomaly

51.4067, 54.1834, 96.5560

Tritanomaly

44.3338, 54.9862, 86.1187

Monochromacy



Original Color

46.1498, 54.9925, 95.3710

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.4102, 49.5752, 66.2598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1498, 54.9925, 95.3710 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(116, 207, 246)` looks like.

```
.text, #text, p{  
    color:rgb(116, 207, 246)  
}
```

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(116, 207, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 207, 246) }
```

Border

The CSS property to change the border of an element to XYZ 46.1498, 54.9925, 95.3710 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(116, 207, 246) }
```


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

```
.border{ border-color:rgb(116, 207, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 207, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 207, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 207, 246); box-shadow:4px 4px 4px 4px rgb(116, 207, 246) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1498, 54.9925, 95.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 207, 246) }
```

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

```
.background{ background-color: rgb(116,  
207, 246) }
```

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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