

Converting Colors

XYZ(47.5902, 53.2680,
109.9723)

Have a look what the booklet for
XYZ(47.5902, 53.2680, 109.9723)
contains.

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Color

**XYZ(46.1391, 52.7063,
102.3493)**

Conversions

Conversions Part 1

Format	Color
Hex	74C9FF
RGB	116, 201, 255
RGB Percent	45%, 79%, 100%
CMY	0.5451, 0.2118, 0.0000
CMYK	0.55, 0.21, 0.00, 0.00
HSL	203°, 100%, 73%
HSV	203°, 55%, 100%
XYZ	46.1391, 52.7063, 102.3493
YIQ	181.7410, -67.9940, -1.2260

Conversions

Conversions Part 2

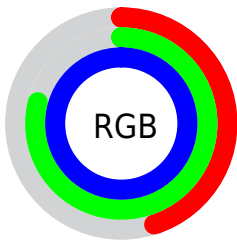
Format	Color
R _Y B	116, 169, 255
Decimal	7653887
CIE Lab	77.70, -10.93, -34.36
CIE LCh	78, 36.058, 252.361
Yxy	52.7063, 0.2293, 0.2620
Android (android.graphics.Color)	4285843967 (0xFF74C9FF)
YUV	181.7410, 36.1167, -57.6549
Hunter-Lab	72.5991, -13.6059, -32.7669

Details

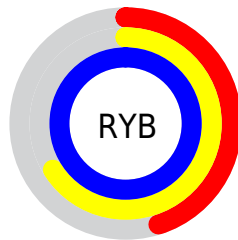
The XYZ color **46.1391, 52.7063, 102.3493** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.7682, 51.2719, 23.3241**, and the grayscale version is **44.1607, 46.4604, 50.5954**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **21.9422, 25.6228, 57.2153** is the 20% darker color. If you saturate the color by 10%, you get **40.9678, 46.7229, 101.4669**, and if you desaturate by 10%, it is **52.3926, 59.4708, 103.3254**.

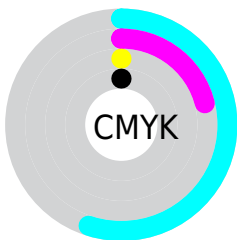
Distribution



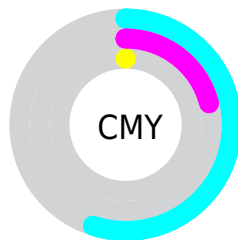
- Red (45%)
- Green (79%)
- Blue (100%)



- Red (45%)
- Yellow (66%)
- Blue (100%)



- Cyan (55%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1391, 52.7063, 102.3493 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 46.1391, 52.7063, 102.3493 by changing the saturation by 10% instead.

46.1391, 52.7063,
102.3493

46.1391, 52.7063,
102.3493

362.0742,
397.1573, 589.0097

32.5607, 37.5684,
77.6362

83.6537, 94.1721,
166.4619

21.9477, 25.6479,
57.2605

108.3206,
121.2687, 206.6984

13.9349, 16.5604,
40.8037

137.4145,
153.1203, 252.9466

8.1568, 9.9216,
27.8472

171.3005,
190.1113, 305.6248

4.2481, 5.3470,
17.9724

210.3441,
232.6261, 365.1517

1.8434, 2.4523,
10.7610

254.9107,

0.5436, 0.8526,

281.0491, 431.9458

5.7942

305.3656,
335.7647, 506.4256

■ 0.0000, 0.0000,
2.6536

■ 0.0000, 0.0000,
0.9199

■ 46.1391, 52.7063,
102.3493

■ 46.1391, 52.7063,
102.3493

■ 40.9678, 46.7229,
101.4669

■ 52.3926, 59.4708,
103.3254

■ 36.7930, 41.4692,
100.6729

■ 59.7956, 67.0519,
104.3985

■ 33.5226, 36.8945,
99.9623

■ 68.4150, 75.4892,
105.5728

■ 31.0421, 32.9353,
99.3288

■ 78.3109, 84.8174,
106.8517

■ 29.9277, 30.9755,
99.0092

■ 89.5393, 95.0691,
108.2387

95.0500, 100.0000,
108.9000

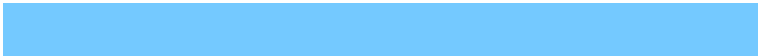
Harmonies

Analogous

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



40.8212, 52.7063, 87.3690



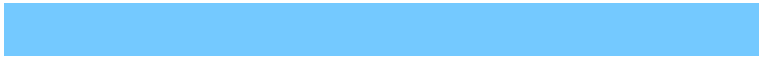
46.1391, 52.7063, 102.3493



53.0233, 52.7063, 103.7020

Triad

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



46.1391, 52.7063, 102.3493



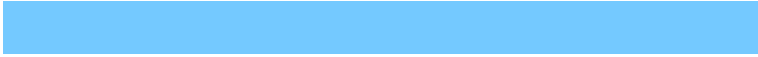
64.3783, 52.7063, 49.5489



41.5880, 52.7063, 33.4199

Complementary

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



46.1391, 52.7063, 102.3493



58.7682, 51.2719, 23.3241

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.



47.2780, 52.7063, 27.4415



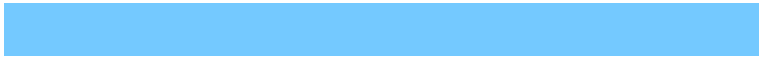
46.1391, 52.7063, 102.3493



60.6784, 52.7063, 35.1951

Square

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



46.1391, 52.7063, 102.3493



64.0011, 52.7063, 69.8372



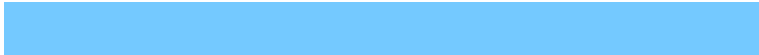
54.2724, 52.7063, 28.0053



38.3662, 52.7063, 46.5142

Rectangle

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



46.1391, 52.7063, 102.3493



57.6261, 52.7063, 96.3505



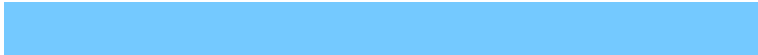
54.2724, 52.7063, 28.0053



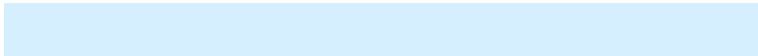
43.2518, 52.7063, 30.6647

Sweetspot

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



46.1407, 52.7081, 102.3496



76.7503, 83.3670, 106.6540



50.1518, 78.1088, 50.1110



15.9775, 17.4231, 22.7708



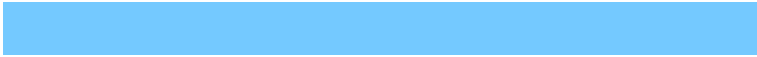
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.1407, 52.7081, 102.3496



40.7394, 46.4473, 101.4258



33.5348, 27.4964, 98.1476



17.9277, 19.2270, 23.0162



15.7872, 16.4840, 51.7842



1.6433, 1.8173, 5.0774

Inverse Universe

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



58.0291, 37.9695, 59.5306



54.1941, 32.1908, 52.4217



75.1961, 84.1278, 28.8000



18.4762, 18.1738, 21.1246



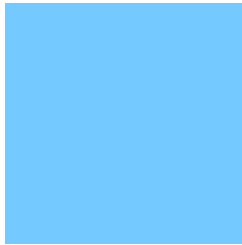
24.7569, 12.3920, 17.9019



2.4641, 1.2280, 2.0252

Previews

White Background



This preview shows how the XYZ color 46.1391, 52.7063, 102.3493 looks on a white background.

Color Contrast Check

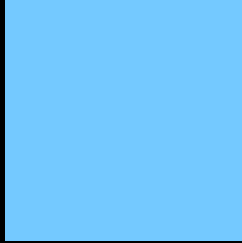
Large Text (above 18pt) WCAG AA × Fail

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 46.1391, 52.7063, 102.3493 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

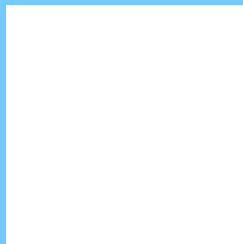
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1391, 52.7063, 102.3493

Background



This preview shows how black text looks on a background with the XYZ color 46.1391, 52.7063, 102.3493.

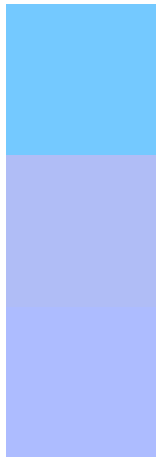


This preview shows how white text looks on a background with the XYZ color 46.1391, 52.7063,

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

46.1391, 52.7063, 102.3493

Protanopia

52.7366, 52.2791, 94.5001

Deuteranopia

53.2668, 52.0707, 101.8509



Tritanopia

41.3410, 52.8964, 77.8432

Trichromacy



Original Color

46.1391, 52.7063, 102.3493

Protanomaly

49.4953, 51.8495, 97.0218

Deuteranomaly

50.0689, 52.0353, 102.0127

Tritanomaly

43.0111, 52.8489, 86.5312

Monochromacy



Original Color

46.1391, 52.7063, 102.3493

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.8068, 48.2677, 67.3293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1391, 52.7063, 102.3493 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, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 201, 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(116, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.1391, 52.7063, 102.3493 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, 201, 255) }
```


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

```
.border{ border-color:rgb(116, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 201, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 201, 255); box-shadow:4px 4px 4px 4px rgb(116, 201, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1391, 52.7063, 102.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 201, 255) }
```

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

```
.background{ background-color: rgb(116,  
201, 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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