

Converting Colors

XYZ(46.3663, 51.3519,
106.7031)

Have a look what the booklet for
XYZ(46.3663, 51.3519, 106.7031)
contains.

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Color

**XYZ(45.4875, 51.0041,
102.0551)**

Conversions

Conversions Part 1

Format	Color
Hex	76C5FF
RGB	118, 197, 255
RGB Percent	46%, 77%, 100%
CMY	0.5372, 0.2274, 0.0000
CMYK	0.54, 0.23, 0.00, 0.00
HSL	205°, 100%, 73%
HSV	205°, 54%, 100%
XYZ	45.4875, 51.0041, 102.0551
YIQ	179.9910, -65.7020, 1.2900

Conversions

Conversions Part 2

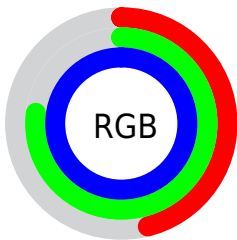
Format	Color
R _Y B	118, 168, 255
Decimal	7783935
CIE Lab	76.68, -8.39, -35.93
CIE LCh	77, 36.899, 256.859
Yxy	51.0041, 0.2291, 0.2569
Android (android.graphics.Color)	4285974015 (0xFF76C5FF)
YUV	179.9910, 36.9794, -54.3661
Hunter-Lab	71.4172, -11.2886, -34.7334

Details

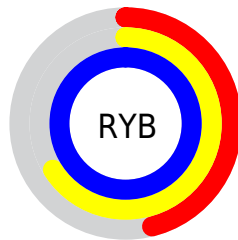
The XYZ color **45.4875, 51.0041, 102.0551** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.0365, 53.6203, 24.3271**, and the grayscale version is **43.2124, 45.4628, 49.5090**.

A 20% lighter version of the original color is **71.8519, 87.5686, 107.7232**, and **21.4837, 24.4790, 57.0187** is the 20% darker color. If you saturate the color by 10%, you get **40.1171, 44.7268, 101.1265**, and if you desaturate by 10%, it is **51.9724, 58.1186, 103.0865**.

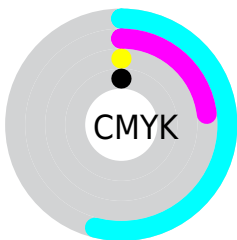
Distribution



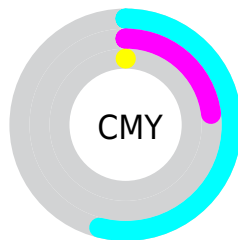
- Red (46%)
- Green (77%)
- Blue (100%)



- Red (46%)
- Yellow (66%)
- Blue (100%)



- Cyan (54%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4875, 51.0041, 102.0551 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 45.4875, 51.0041, 102.0551 by changing the saturation by 10% instead.

■ 45.4875, 51.0041,
102.0551

■ 45.4875, 51.0041,
102.0551

359.4949,
390.5797, 588.0645

■ 32.0445, 36.2119,
77.3915

■ 82.6840, 91.6608,
166.0549

■ 21.5512, 24.5979,
57.0608

■ 107.1683,
118.2941, 206.2283

■ 13.6423, 15.7777,
40.6444

■ 136.0637,
149.6432, 252.4087

■ 7.9523, 9.3670,
27.7237

169.7355,
186.0925, 305.0146

■ 4.1160, 4.9813,
17.8803

208.5492,
228.0264, 364.4646

■ 1.7680, 2.2363,
10.6955

252.8701,

■ 0.4983, 0.7397,

275.8294, 431.1772

5.7509

303.0636,
329.8856, 505.5710

■ 0.0000, 0.0000,
2.6279

■ 0.0000, 0.0000,
0.9068

■ 45.4875, 51.0041,
102.0551

■ 45.4875, 51.0041,
102.0551

■ 40.1171, 44.7268,
101.1265

■ 51.9724, 58.1186,
103.0865

■ 35.7754, 39.2340,
100.2951

■ 59.6394, 66.1073,
104.2244

■ 32.3708, 34.4739,
99.5558

■ 68.5557, 75.0111,
105.4731

■ 29.7898, 30.3823,
98.9020

■ 78.7819, 84.8660,
106.8363

■ 28.4906, 28.1012,
98.5302

■ 90.3744, 95.7062,
108.3176

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.



39.8602, 51.0041, 88.6020



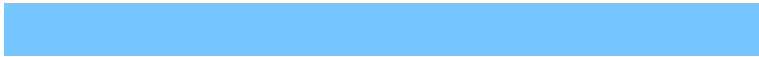
45.4875, 51.0041, 102.0551



52.4790, 51.0041, 101.0890

Triad

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



45.4875, 51.0041, 102.0551



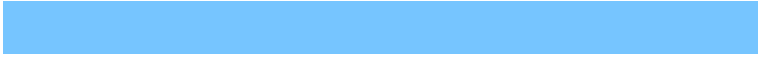
62.5037, 51.0041, 45.1079



39.3218, 51.0041, 33.1631

Complementary

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



45.4875, 51.0041, 102.0551



60.0365, 53.6203, 24.3271

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.



44.6855, 51.0041, 26.2537



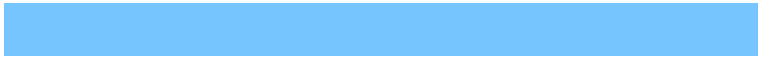
45.4875, 51.0041, 102.0551



58.2559, 51.0041, 31.9273

Square

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



45.4875, 51.0041, 102.0551



62.7712, 51.0041, 64.7486



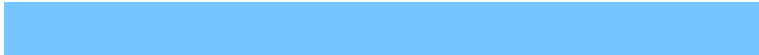
51.5965, 51.0041, 25.8636



36.5378, 51.0041, 47.2394

Rectangle

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



45.4875, 51.0041, 102.0551



56.9904, 51.0041, 92.3541



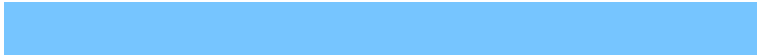
51.5965, 51.0041, 25.8636



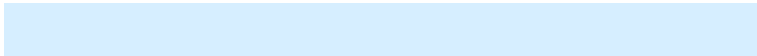
40.8582, 51.0041, 30.0900

Sweetspot

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



45.4890, 51.0059, 102.0553



76.3351, 82.5365, 106.5156



50.9786, 78.4706, 53.0619



15.8783, 17.2248, 22.7378



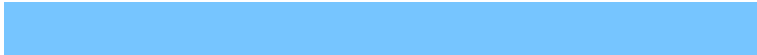
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



45.4890, 51.0059, 102.0553



39.9833, 44.5642, 101.1021



33.4282, 26.8841, 98.0350



17.8729, 19.1175, 22.9980



15.0380, 14.9857, 51.5345



1.5725, 1.6756, 5.0538

Inverse Universe

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



57.7976, 38.2498, 57.1618



53.9030, 32.4210, 49.8201



76.7360, 87.0194, 29.8936



18.4485, 18.1627, 20.9790



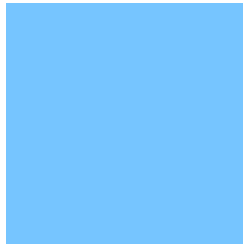
24.3787, 12.2408, 15.9106



2.4283, 1.2137, 1.8369

Previews

White Background



This preview shows how the XYZ color 45.4875, 51.0041, 102.0551 looks on a white background.

Color Contrast Check

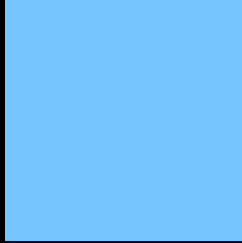
Large Text (above 18pt) WCAG AA × Fail

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 45.4875, 51.0041, 102.0551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

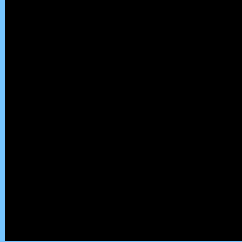
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4875, 51.0041, 102.0551

Background



This preview shows how black text looks on a background with the XYZ color 45.4875, 51.0041, 102.0551.



This preview shows how white text looks on a background with the XYZ color 45.4875, 51.0041,

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

45.4875, 51.0041, 102.0551

Protanopia

51.3607, 50.6039, 95.0562

Deuteranopia

51.7574, 50.6626, 101.6587



Tritanopia

40.0999, 50.8824, 75.4180

Trichromacy



Original Color

45.4875, 51.0041, 102.0551

Protanomaly

48.6177, 50.4044, 97.6091

Deuteranomaly

49.0411, 50.5309, 101.7764

Tritanomaly

42.0250, 50.9715, 84.7143

Monochromacy



Original Color

45.4875, 51.0041, 102.0551

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.7260, 46.7909, 65.8111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4875, 51.0041, 102.0551 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(118, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 197, 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(118, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 197, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.4875, 51.0041, 102.0551 is called "border". The border property can be set on classes, ids or directly on the HTML element.

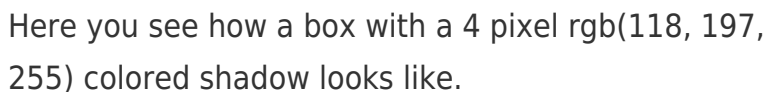
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 197, 255) }
```


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

```
.border{ border-color:rgb(118, 197, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 197, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 197, 255); box-shadow:4px 4px 4px 4px rgb(118, 197, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4875, 51.0041, 102.0551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 197, 255) }
```

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

```
.background{ background-color: rgb(118,  
197, 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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