

Converting Colors

XYZ(52.4316, 56.3152,
132.1481)

Have a look what the booklet for
XYZ(52.4316, 56.3152, 132.1481)
contains.

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Color

**XYZ(46.8453, 54.1187,
102.5847)**

Conversions

Conversions Part 1

Format	Color
Hex	74CCFF
RGB	116, 204, 255
RGB Percent	45%, 80%, 100%
CMY	0.5451, 0.2000, 0.0000
CMYK	0.55, 0.20, 0.00, 0.00
HSL	202°, 100%, 73%
HSV	202°, 55%, 100%
XYZ	46.8453, 54.1187, 102.5847
YIQ	183.5020, -68.8190, -2.7950

Conversions

Conversions Part 2

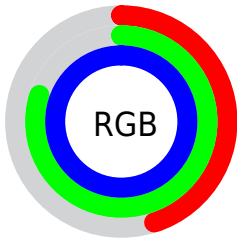
Format	Color
R _Y B	116, 170, 255
Decimal	7654655
CIE Lab	78.53, -12.51, -33.08
CIE LCh	79, 35.368, 249.290
Yxy	54.1187, 0.2301, 0.2659
Android (android.graphics.Color)	4285844735 (0xFF74CCFF)
YUV	183.5020, 35.2485, -59.1993
Hunter-Lab	73.5654, -15.0735, -31.1823

Details

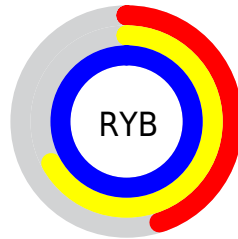
The XYZ color **46.8453, 54.1187, 102.5847** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.2122, 50.1599, 23.1387**, and the grayscale version is **45.1264, 47.4765, 51.7019**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **22.3660, 26.5429, 57.3706** is the 20% darker color. If you saturate the color by 10%, you get **41.7520, 48.2913, 101.7283**, and if you desaturate by 10%, it is **53.0055, 60.6965, 103.5297**.

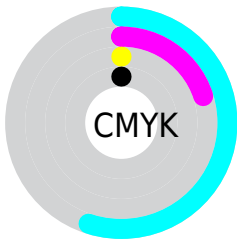
Distribution



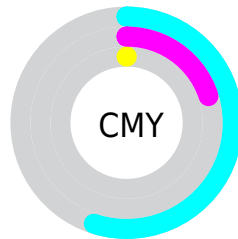
- Red (45%)
- Green (80%)
- Blue (100%)



- Red (45%)
- Yellow (67%)
- Blue (100%)



- Cyan (55%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8453, 54.1187, 102.5847 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 46.8453, 54.1187, 102.5847 by changing the saturation by 10% instead.

■ 46.8453, 54.1187,
102.5847

■ 46.8453, 54.1187,
102.5847

364.8559,
402.5625, 589.7654

■ 33.1208, 38.6966,
77.8320

■ 84.7028, 96.2485,
166.7874

■ 22.3787, 26.5238,
57.4204

■ 109.5665,
123.7250, 207.0745

■ 14.2536, 17.2159,
40.9312

■ 138.8740,
155.9883, 253.3768

■ 8.3801, 10.3885,
27.9460

172.9907,
193.4230, 306.1128

■ 4.3930, 5.6573,
18.0463

212.2819,
236.4134, 365.7012

■ 1.9268, 2.6378,
10.8135

257.1129,

■ 0.5923, 0.9457,

285.3438, 432.5604

5.8289

307.8491,
340.5987, 507.1089

■ 0.0000, 0.0000,
2.6742

■ 0.0000, 0.0000,
0.9304

■ 46.8453, 54.1187,
102.5847

■ 46.8453, 54.1187,
102.5847

■ 41.7520, 48.2913,
101.7283

■ 53.0055, 60.6965,
103.5297

■ 37.6403, 43.1638,
100.9553

■ 60.2993, 68.0594,
104.5664

■ 34.4186, 38.6864,
100.2609

■ 68.7934, 76.2459,
105.6989

■ 31.9729, 34.7968,
99.6390

■ 78.5473, 85.2902,
106.9305

■ 30.8719, 32.8637,
99.3240

■ 89.6167, 95.2238,
108.2645

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.



41.7523, 54.1187, 86.7093



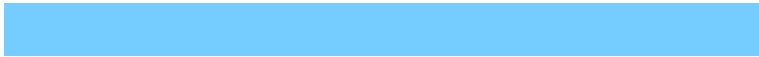
46.8453, 54.1187, 102.5847



53.6310, 54.1187, 105.4704

Triad

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



46.8453, 54.1187, 102.5847



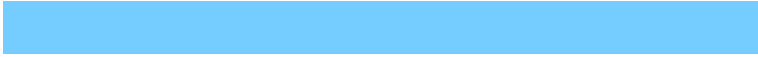
65.8218, 54.1187, 52.9477



43.4138, 54.1187, 33.9436

Complementary

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



46.8453, 54.1187, 102.5847



58.2122, 50.1599, 23.1387

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.



49.3060, 54.1187, 28.5968



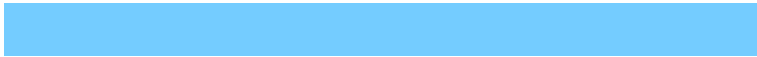
46.8453, 54.1187, 102.5847



62.5170, 54.1187, 37.8191

Square

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



46.8453, 54.1187, 102.5847



65.0121, 54.1187, 73.5596



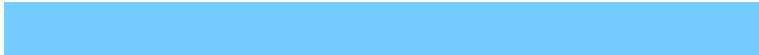
56.3219, 54.1187, 29.8343



39.8988, 54.1187, 46.3746

Rectangle

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



46.8453, 54.1187, 102.5847



58.2735, 54.1187, 99.1144



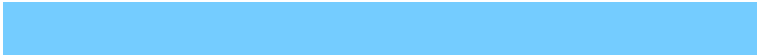
56.3219, 54.1187, 29.8343



45.1595, 54.1187, 31.4018

Sweetspot

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



46.8469, 54.1206, 102.5850



77.0090, 83.8843, 106.7402



49.9357, 78.0224, 48.9730



16.0393, 17.5467, 22.7914



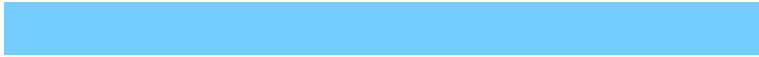
0.0000, 0.0000, 0.0000



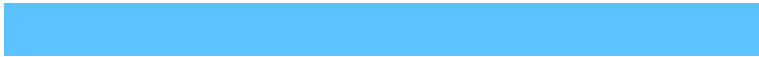
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8469, 54.1206, 102.5850



41.5270, 48.0226, 101.6883



33.8531, 28.1331, 98.2537



17.9617, 19.2951, 23.0276



16.2786, 17.4668, 51.9480



1.6893, 1.9093, 5.0928

Inverse Universe

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



58.3856, 38.1121, 61.4077



54.5917, 32.3498, 54.5153



74.5230, 82.7816, 28.5757



18.4933, 18.1806, 21.2150



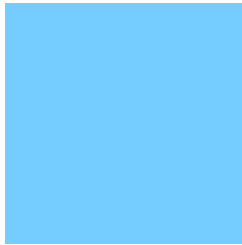
25.0049, 12.4912, 19.2080



2.4873, 1.2373, 2.1475

Previews

White Background



This preview shows how the XYZ color 46.8453, 54.1187, 102.5847 looks on a white background.

Color Contrast Check

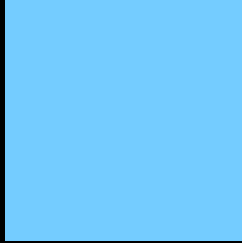
Large Text (above 18pt) WCAG AA × Fail

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 46.8453, 54.1187, 102.5847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

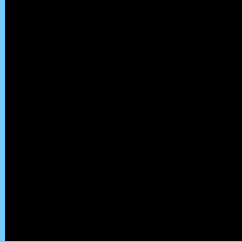
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

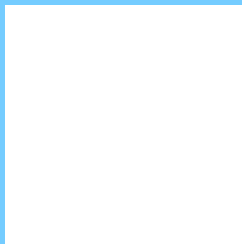
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8453, 54.1187, 102.5847

Background



This preview shows how black text looks on a background with the XYZ color 46.8453, 54.1187, 102.5847.

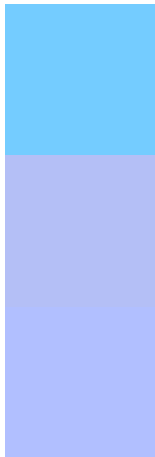


This preview shows how white text looks on a background with the XYZ color 46.8453, 54.1187,

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

46.8453, 54.1187, 102.5847

Protanopia

54.0877, 53.6187, 94.6875

Deuteranopia

54.8123, 53.8287, 102.1088



Tritanopia

42.3536, 54.0952, 80.1606

Trichromacy



Original Color

46.8453, 54.1187, 102.5847

Protanomaly

50.7434, 53.4875, 97.2722

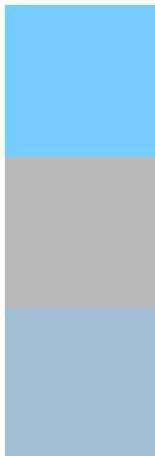
Deuteranomaly

51.3075, 53.6684, 102.2626

Tritanomaly

43.9056, 53.9913, 88.2281

Monochromacy



Original Color

46.8453, 54.1187, 102.5847

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.5617, 49.2857, 68.1372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8453, 54.1187, 102.5847 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, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 204, 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, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.8453, 54.1187, 102.5847 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, 204, 255) }
```


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

```
.border{ border-color:rgb(116, 204, 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, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(116, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8453, 54.1187, 102.5847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 204, 255) }
```

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

```
.background{ background-color: rgb(116,  
204, 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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