

Converting Colors

XYZ(40.5779, 46.5289,
101.4500)

Have a look what the booklet for
XYZ(40.5779, 46.5289, 101.4500)
contains.

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Color

**XYZ(40.5186, 46.4600,
101.4399)**

Conversions

Conversions Part 1

Format	Color
Hex	56BFFF
RGB	86, 191, 255
RGB Percent	34%, 75%, 100%
CMY	0.6627, 0.2510, 0.0000
CMYK	0.66, 0.25, 0.00, 0.00
HSL	203°, 100%, 67%
HSV	203°, 66%, 100%
XYZ	40.5186, 46.4600, 101.4399
YIQ	166.9010, -83.1240, -2.3560

Conversions

Conversions Part 2

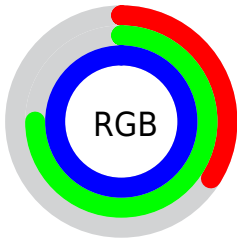
Format	Color
R _Y B	86, 151, 255
Decimal	5685247
CIE Lab	73.84, -10.95, -40.43
CIE LCh	74, 41.889, 254.850
Yxy	46.4600, 0.2150, 0.2466
Android (android.graphics.Color)	4283875327 (0xFF56BFFF)
YUV	166.9010, 43.4328, -70.9502
Hunter-Lab	68.1616, -13.1736, -40.5239

Details

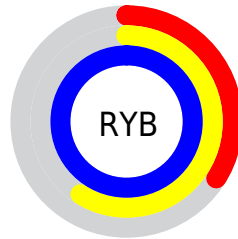
The XYZ color **40.5186, 46.4600, 101.4399** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **53.8279, 43.7475, 14.4135**, and the grayscale version is **36.5088, 38.4101, 41.8285**.

A 20% lighter version of the original color is **64.0733, 80.3208, 106.7342**, and **19.2815, 22.2542, 56.7053** is the 20% darker color. If you saturate the color by 10%, you get **36.5387, 41.3850, 100.6700**, and if you desaturate by 10%, it is **45.4773, 52.2474, 102.2956**.

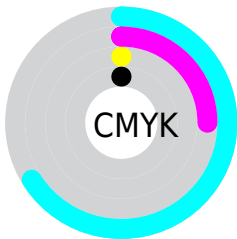
Distribution



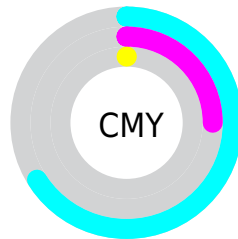
- Red (34%)
- Green (75%)
- Blue (100%)



- Red (34%)
- Yellow (59%)
- Blue (100%)



- Cyan (66%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5186, 46.4600, 101.4399 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 40.5186, 46.4600, 101.4399 by changing the saturation by 10% instead.

40.5186, 46.4600,
101.4399

40.5186, 46.4600,
101.4399

339.4016,
372.6549, 586.0854

28.1291, 32.6090,
76.8800

75.2319, 84.9070,
165.2036

18.5640, 21.8271,
56.6434

98.2865, 110.2718,
205.2446

11.4578, 13.7299,
40.3116

125.6267,
140.2432, 251.2830

6.4452, 7.9330,
27.4659

157.6181,
175.2058, 303.7373

3.1608, 4.0521,
17.6879

194.6259,
215.5439, 363.0262

1.2394, 1.7028,
10.5591

237.0155,

0.1371, 0.4254,

261.6418, 429.5682

5.6608

285.1523,
313.8840, 503.7817

■ 0.0000, 0.0000,
2.5745

■ 0.0000, 0.0000,
0.8792

■ 40.5186, 46.4600,
101.4399

■ 40.5186, 46.4600,
101.4399

■ 36.5387, 41.3850,
100.6700

■ 45.4773, 52.2474,
102.2956

■ 33.4367, 36.9640,
99.9802

■ 51.4931, 58.7889,
103.2412

■ 31.0949, 33.1330,
99.3642

■ 58.6405, 66.1275,
104.2809

■ 30.3502, 31.8204,
99.1501

■ 66.9858, 74.3010,
105.4187

■ 76.5898, 83.3443,
106.6581

■ 87.5089, 93.2899,
108.0023

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.



34.7587, 46.4600, 85.4011



40.5186, 46.4600, 101.4399



47.9341, 46.4600, 101.5285

Triad

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



40.5186, 46.4600, 101.4399



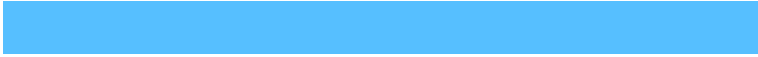
59.5088, 46.4600, 40.7813



34.8041, 46.4600, 26.7133

Complementary

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



40.5186, 46.4600, 101.4399



53.8279, 43.7475, 14.4135

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.



40.5872, 46.4600, 20.3837



40.5186, 46.4600, 101.4399



55.1171, 46.4600, 26.8129

Square

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



40.5186, 46.4600, 101.4399



59.4851, 46.4600, 62.0887



48.0108, 46.4600, 20.4141



31.7210, 46.4600, 40.6015

Rectangle

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



40.5186, 46.4600, 101.4399



52.8639, 46.4600, 92.2934



48.0108, 46.4600, 20.4141



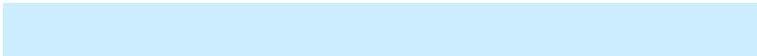
36.4661, 46.4600, 23.8291

Sweetspot

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



40.5201, 46.4616, 101.4401



72.8569, 79.8675, 106.1837



44.9420, 75.6362, 40.2366



15.0178, 16.5517, 22.6532



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.



40.5201, 46.4616, 101.4401



35.2846, 39.6626, 100.4037



27.3087, 20.0389, 97.0363



17.9431, 19.2578, 23.0214



16.0072, 16.9239, 51.8576



1.6639, 1.8586, 5.0843

Inverse Universe

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



53.9729, 31.6790, 52.5615



50.4340, 26.8317, 44.5054



71.9087, 79.9092, 20.4404



18.4839, 18.1769, 21.1655



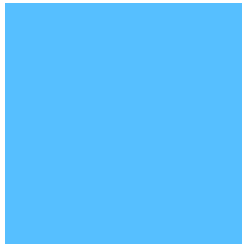
24.8679, 12.4364, 18.4865



2.4745, 1.2322, 2.0801

Previews

White Background



This preview shows how the XYZ color 40.5186, 46.4600, 101.4399 looks on a white background.

Color Contrast Check

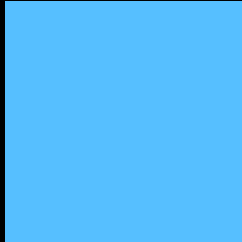
Large Text (above 18pt) WCAG AA × Fail

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 40.5186, 46.4600, 101.4399 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

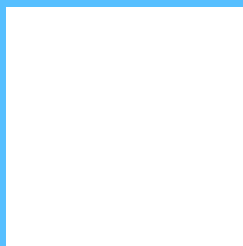
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5186, 46.4600, 101.4399

Background



This preview shows how black text looks on a background with the XYZ color 40.5186, 46.4600, 101.4399.



This preview shows how white text looks on a background with the XYZ color 40.5186, 46.4600,

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

40.5186, 46.4600, 101.4399

Protanopia

47.0998, 46.0104, 92.7847

Deuteranopia

47.1190, 46.1356, 101.0294



Tritanopia

34.5097, 46.3512, 71.4178

Trichromacy



Original Color

40.5186, 46.4600, 101.4399

Protanomaly

43.8639, 45.7749, 96.1461

Deuteranomaly

43.8856, 45.6762, 101.1111

Tritanomaly

36.3966, 46.0830, 81.8395

Monochromacy



Original Color

40.5186, 46.4600, 101.4399

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.3154, 40.5775, 59.9510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5186, 46.4600, 101.4399 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(86, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 191, 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(86, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 191, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.5186, 46.4600, 101.4399 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(86, 191, 255) }
```


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

```
.border{ border-color:rgb(86, 191, 255) }
```

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

Here you see how a box with a 4 pixel rgb(86, 191, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 191,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5186, 46.4600, 101.4399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 191, 255) }
```

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

```
.background{ background-color: rgb(86, 191,  
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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