

Converting Colors

XYZ(46.4886, 50.9935,
102.0003)

Have a look what the booklet for
XYZ(46.4886, 50.9935, 102.0003)
contains.

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Color

**XYZ(46.4672, 50.8394,
101.9716)**

Conversions

Conversions Part 1

Format	Color
Hex	80C3FF
RGB	128, 195, 255
RGB Percent	50%, 76%, 100%
CMY	0.4980, 0.2353, 0.0000
CMYK	0.50, 0.24, 0.00, 0.00
HSL	208°, 100%, 75%
HSV	208°, 50%, 100%
XYZ	46.4672, 50.8394, 101.9716
YIQ	181.8070, -59.1920, 4.4560

Conversions

Conversions Part 2

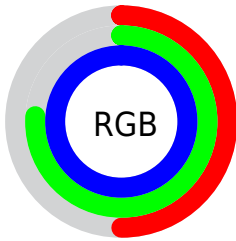
Format	Color
RYB	128, 172, 255
Decimal	8438783
CIELab	76.58, -5.17, -36.05
CIElCh	77, 36.421, 261.838
Yxy	50.8394, 0.2332, 0.2551
Android (android.graphics.Color)	4286628863 (0xFF80C3FF)
YUV	181.8070, 36.0841, -47.1887
Hunter-Lab	71.3018, -8.4500, -34.8819

Details

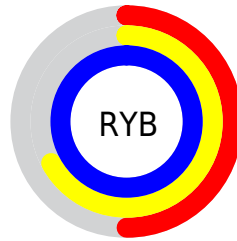
The XYZ color **46.4672, 50.8394, 101.9716** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.1206, 58.7864, 28.4442**, and the grayscale version is **44.1931, 46.4946, 50.6326**.

A 20% lighter version of the original color is **73.0407, 86.7792, 107.5081**, and **22.1808, 24.6165, 57.0085** is the 20% darker color. If you saturate the color by 10%, you get **40.5114, 43.9232, 100.9506**, and if you desaturate by 10%, it is **53.6076, 58.6916, 103.1109**.

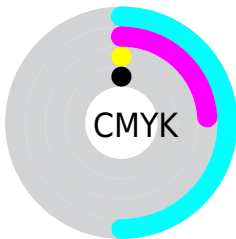
Distribution



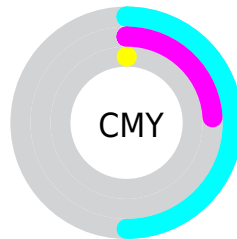
- Red (50%)
- Green (76%)
- Blue (100%)



- Red (50%)
- Yellow (67%)
- Blue (100%)



- Cyan (50%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4672, 50.8394, 101.9716 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 46.4672, 50.8394, 101.9716 by changing the saturation by 10% instead.

■ 46.4672, 50.8394,
101.9716

■ 46.4672, 50.8394,
101.9716

363.3683,
389.9395, 587.7961

■ 32.8208, 36.0808,
77.3221

■ 84.1414, 91.4173,
165.9394

■ 22.1478, 24.4966,
57.0041

■ 108.8999,
118.0055, 206.0948

■ 14.0828, 15.7024,
40.5992

■ 138.0931,
149.3056, 252.2559

■ 8.2603, 9.3138,
27.6887

172.0865,
185.7021, 304.8413

■ 4.3152, 4.9464,
17.8541

211.2454,
227.5793, 364.2695

■ 1.8819, 2.2159,
10.6769

255.9351,

■ 0.5663, 0.7286,

275.3217, 430.9589

5.7386

306.5209,
329.3136, 505.3283

■ 0.0000, 0.0000,
2.6206

■ 0.0000, 0.0000,
0.9031

■ 46.4672, 50.8394,
101.9716

■ 46.4672, 50.8394,
101.9716

■ 40.5114, 43.9232,
100.9506

■ 53.6076, 58.6916,
103.1109

■ 35.6567, 37.8893,
100.0418

■ 61.9987, 67.5183,
104.3724

■ 31.8152, 32.6856,
99.2399

■ 71.7072, 77.3618,
105.7607

■ 28.8810, 28.2493,
98.5382

■ 82.7931, 88.2601,
107.2800

■ 26.6878, 24.4862,
97.9275

95.0500, 100.0000,
108.9000

■ 26.6482, 24.4165,
97.9161

Harmonies

Analogous

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



40.5988, 50.8394, 90.8123



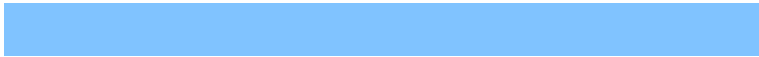
46.4672, 50.8394, 101.9716



53.4118, 50.8394, 98.5024

Triad

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



46.4672, 50.8394, 101.9716



61.6721, 50.8394, 42.4231



38.6473, 50.8394, 35.0887

Complementary

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



46.4672, 50.8394, 101.9716



63.1206, 58.7864, 28.4442

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.



43.5650, 50.8394, 27.1069



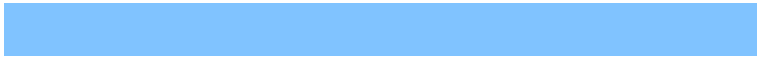
46.4672, 50.8394, 101.9716



56.9659, 50.8394, 30.5882

Square

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



46.4672, 50.8394, 101.9716



62.6365, 50.8394, 60.9111



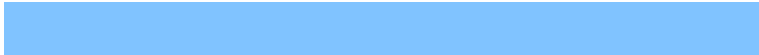
50.2241, 50.8394, 25.6818



36.3724, 50.8394, 50.1484

Rectangle

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



46.4672, 50.8394, 101.9716



57.6945, 50.8394, 88.6563



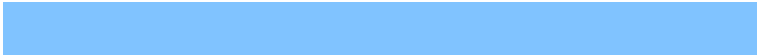
50.2241, 50.8394, 25.6818



40.0226, 50.8394, 31.6524

Sweetspot

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



46.4688, 50.8412, 101.9719



76.8547, 82.4608, 106.4736



53.6616, 79.7091, 59.7225



15.9579, 17.1644, 22.7219



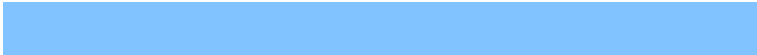
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.4688, 50.8412, 101.9719



40.4046, 43.7950, 100.9315



35.2367, 28.3771, 98.2279



17.7963, 18.9641, 22.9724



14.0751, 13.0598, 51.2135



1.4799, 1.4905, 5.0230

Inverse Universe

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



58.8106, 40.6402, 56.3762



54.5091, 34.1699, 48.3678



79.5611, 91.6675, 33.9244



18.4098, 18.1472, 20.7752



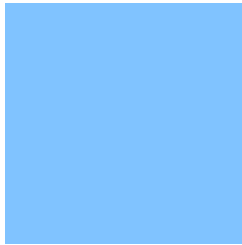
23.8927, 12.0464, 13.3511



2.3816, 1.1950, 1.5908

Previews

White Background



This preview shows how the XYZ color 46.4672, 50.8394, 101.9716 looks on a white background.

Color Contrast Check

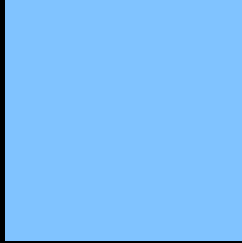
Large Text (above 18pt) WCAG AA × Fail

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 46.4672, 50.8394, 101.9716 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

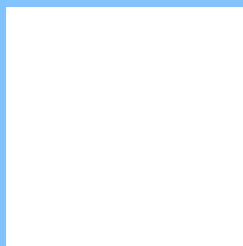
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4672, 50.8394, 101.9716

Background



This preview shows how black text looks on a background with the XYZ color 46.4672, 50.8394, 101.9716.



This preview shows how white text looks on a background with the XYZ color 46.4672, 50.8394,

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

46.4672, 50.8394, 101.9716

Protanopia

51.2968, 50.5530, 95.8610

Deuteranopia

51.7574, 50.6626, 101.6587



Tritanopia

40.9779, 51.0160, 74.0170

Trichromacy



Original Color

46.4672, 50.8394, 101.9716

Protanomaly

49.1278, 50.3288, 98.3919

Deuteranomaly

49.3845, 50.3875, 101.7307

Tritanomaly

42.5930, 50.6094, 83.1250

Monochromacy



Original Color

46.4672, 50.8394, 101.9716

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.1792, 47.8255, 67.2243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4672, 50.8394, 101.9716 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(128, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 195, 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(128, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 195, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.4672, 50.8394, 101.9716 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(128, 195, 255) }
```


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

```
.border{ border-color:rgb(128, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 195,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4672, 50.8394, 101.9716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 195, 255) }
```

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

```
.background{ background-color: rgb(128,  
195, 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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