

Converting Colors

XYZ(60.8798, 58.9921,
181.4908)

Have a look what the booklet for
XYZ(60.8798, 58.9921, 181.4908)
contains.

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Color

**XYZ(45.8526, 52.9058,
102.4029)**

Conversions

Conversions Part 1

Format	Color
Hex	70CAFF
RGB	112, 202, 255
RGB Percent	44%, 79%, 100%
CMY	0.5608, 0.2078, 0.0000
CMYK	0.56, 0.21, 0.00, 0.00
HSL	202°, 100%, 72%
HSV	202°, 56%, 100%
XYZ	45.8526, 52.9058, 102.4029
YIQ	181.1320, -70.6530, -2.5970

Conversions

Conversions Part 2

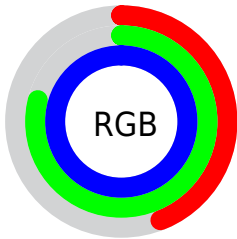
Format	Color
RYB	112, 167, 255
Decimal	7391999
CIELab	77.82, -12.25, -34.19
CIELCh	78, 36.322, 250.290
Yxy	52.9058, 0.2279, 0.2630
Android (android.graphics.Color)	4285582079 (0xFF70CAFF)
YUV	181.1320, 36.4169, -60.6288
Hunter-Lab	72.7364, -14.7633, -32.5568

Details

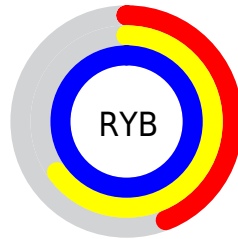
The XYZ color **45.8526, 52.9058, 102.4029** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.6208, 49.3417, 21.8182**, and the grayscale version is **43.8306, 46.1133, 50.2173**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **21.7792, 25.7706, 57.2524** is the 20% darker color. If you saturate the color by 10%, you get **40.9057, 47.1647, 101.5555**, and if you desaturate by 10%, it is **51.8570, 59.3957, 103.3391**.

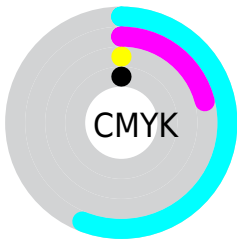
Distribution



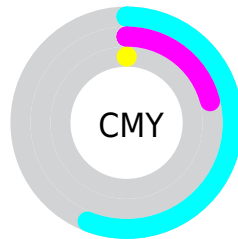
- Red (44%)
- Green (79%)
- Blue (100%)



- Red (44%)
- Yellow (65%)
- Blue (100%)



- Cyan (56%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8526, 52.9058, 102.4029 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 45.8526, 52.9058, 102.4029 by changing the saturation by 10% instead.

■ 45.8526, 52.9058,
102.4029

■ 45.8526, 52.9058,
102.4029

360.9416,
397.9236, 589.1818

■ 32.3337, 37.7276,
77.6808

■ 83.2276, 94.4657,
166.5360

■ 21.7733, 25.7713,
57.2969

■ 107.8143,
121.6162, 206.7841

■ 13.8061, 16.6526,
40.8327

■ 136.8210,
153.5263, 253.0446

■ 8.0667, 9.9871,
27.8697

170.6131,
190.5803, 305.7360

■ 4.1898, 5.3904,
17.9893

209.5558,
233.1626, 365.2768

■ 1.8101, 2.4781,
10.7729

254.0145,

■ 0.5237, 0.8657,

281.6577, 432.0857

5.8021

304.3547,
336.4499, 506.5812

■ 0.0000, 0.0000,
2.6583

■ 0.0000, 0.0000,
0.9223

■ 45.8526, 52.9058,
102.4029

■ 45.8526, 52.9058,
102.4029

■ 40.9057, 47.1647,
101.5555

■ 51.8570, 59.3957,
103.3391

■ 36.9292, 42.1210,
100.7915

■ 58.9870, 66.6700,
104.3674

■ 33.8290, 37.7233,
100.1061

■ 67.3101, 74.7678,
105.4917

■ 31.4864, 33.9068,
99.4929

■ 76.8868, 83.7237,
106.7157

■ 30.7060, 32.5319,
99.2687

■ 87.7734, 93.5699,
108.0424

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.



40.6419, 52.9058, 86.5184



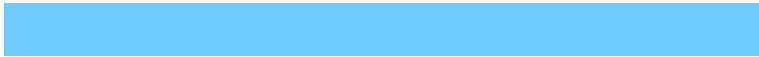
45.8526, 52.9058, 102.4029



52.7447, 52.9058, 104.8427

Triad

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



45.8526, 52.9058, 102.4029



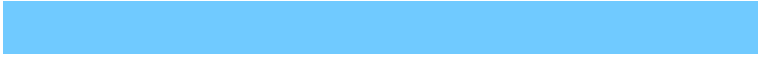
64.8298, 52.9058, 50.9483



42.0226, 52.9058, 32.7860

Complementary

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



45.8526, 52.9058, 102.4029



57.6208, 49.3417, 21.8182

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.



47.9038, 52.9058, 27.2389



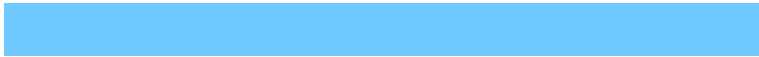
45.8526, 52.9058, 102.4029



61.3450, 52.9058, 35.9795

Square

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



45.8526, 52.9058, 102.4029



64.1499, 52.9058, 71.7092



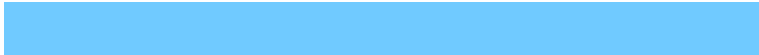
54.9950, 52.9058, 28.2524



38.5779, 52.9058, 45.4840

Rectangle

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



45.8526, 52.9058, 102.4029



57.4336, 52.9058, 98.0295



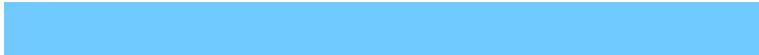
54.9950, 52.9058, 28.2524



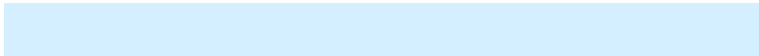
43.7563, 52.9058, 30.1749

Sweetspot

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



45.8542, 52.9076, 102.4032



75.9476, 82.8591, 106.5983



49.1834, 77.6614, 47.7275



15.8271, 17.3386, 22.7624



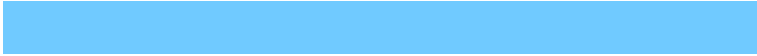
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



45.8542, 52.9076, 102.4032



40.4987, 46.6700, 101.4814



32.8590, 26.9173, 98.0714



17.9559, 19.2833, 23.0256



16.1923, 17.2942, 51.9193



1.6812, 1.8932, 5.0901

Inverse Universe

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



57.6959, 37.1143, 60.0018



53.9008, 31.4155, 52.9055



74.1415, 82.3831, 27.3251



18.4904, 18.1795, 21.1994



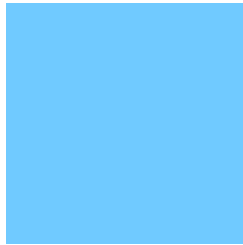
24.9613, 12.4738, 18.9786



2.4832, 1.2357, 2.1261

Previews

White Background



This preview shows how the XYZ color 45.8526, 52.9058, 102.4029 looks on a white background.

Color Contrast Check

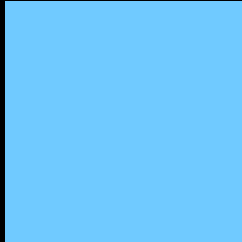
Large Text (above 18pt) WCAG AA × Fail

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 45.8526, 52.9058, 102.4029 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

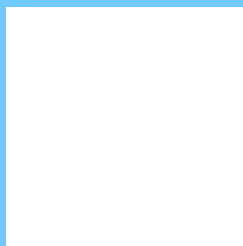
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8526, 52.9058, 102.4029

Background



This preview shows how black text looks on a background with the XYZ color 45.8526, 52.9058, 102.4029.

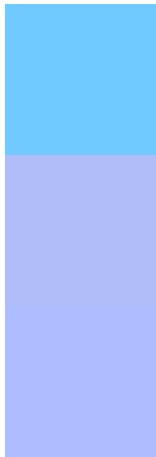


This preview shows how white text looks on a background with the XYZ color 45.8526, 52.9058,

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

45.8526, 52.9058, 102.4029

Protanopia

52.9636, 52.3961, 94.5108

Deuteranopia

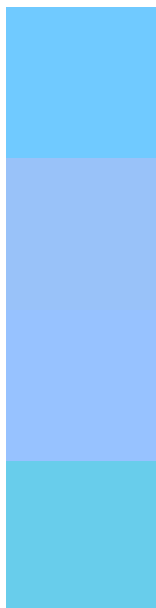
53.7032, 52.6139, 101.9328



Tritanopia

41.0229, 52.7168, 78.5342

Trichromacy



Original Color

45.8526, 52.9058, 102.4029

Protanomaly

49.5275, 52.1954, 97.0869

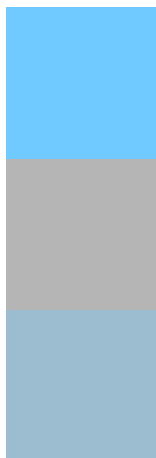
Deuteranomaly

50.1043, 52.3829, 102.0779

Tritanomaly

42.5356, 52.6039, 86.5090

Monochromacy



Original Color

45.8526, 52.9058, 102.4029

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.2931, 48.0172, 66.6610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8526, 52.9058, 102.4029 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(112, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 202, 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(112, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 202, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.8526, 52.9058, 102.4029 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(112, 202, 255) }
```


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

```
.border{ border-color:rgb(112, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 202,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8526, 52.9058, 102.4029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 202, 255) }
```

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

```
.background{ background-color: rgb(112,  
202, 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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