

Converting Colors

XYZ(48.8201, 61.3265,
112.4777)

Have a look what the booklet for
XYZ(48.8201, 61.3265, 112.4777)
contains.

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Color

**XYZ(47.1309, 60.5952,
103.8197)**

Conversions

Conversions Part 1

Format	Color
Hex	4FDDFF
RGB	79, 221, 255
RGB Percent	31%, 87%, 100%
CMY	0.6902, 0.1333, 0.0000
CMYK	0.69, 0.13, 0.00, 0.00
HSL	192°, 100%, 65%
HSV	192°, 69%, 100%
XYZ	47.1309, 60.5952, 103.8197
YIQ	182.4180, -95.5460, -19.5300

Conversions

Conversions Part 2

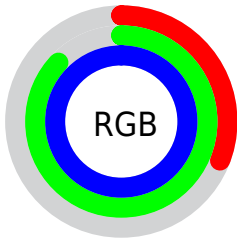
Format	Color
R _{YB}	79, 158, 255
Decimal	5234175
CIE Lab	82.16, -27.35, -27.61
CIE LCh	82, 38.863, 225.267
Yxy	60.5952, 0.2228, 0.2864
Android (android.graphics.Color)	4283424255 (0xFF4FDDFF)
YUV	182.4180, 35.7829, -90.6976
Hunter-Lab	77.8429, -28.1502, -24.5855

Details

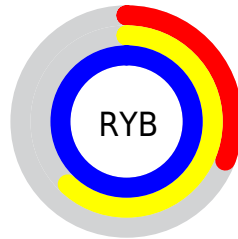
The XYZ color **47.1309, 60.5952, 103.8197** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **48.5577, 33.6367, 11.3325**, and the grayscale version is **44.5419, 46.8616, 51.0322**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **23.8293, 31.3497, 58.2212** is the 20% darker color. If you saturate the color by 10%, you get **44.1209, 57.1421, 103.3119**, and if you desaturate by 10%, it is **50.9955, 64.5479, 104.3790**.

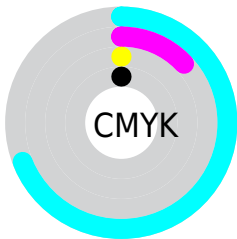
Distribution



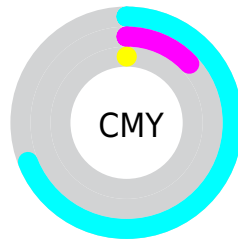
- Red (31%)
- Green (87%)
- Blue (100%)



- Red (31%)
- Yellow (62%)
- Blue (100%)



- Cyan (69%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1309, 60.5952, 103.8197 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 47.1309, 60.5952, 103.8197 by changing the saturation by 10% instead.

47.1309, 60.5952,
103.8197

47.1309, 60.5952,
103.8197

365.9770,
426.7882, 593.7217

33.3475, 43.8986,
78.8597

85.1265, 105.6926,
168.4940

22.5533, 30.5908,
58.2599

110.0695,
134.8621, 209.0454

14.3829, 20.2874,
41.6015

139.4631,
168.9581, 255.6311

8.4709, 12.6042,
28.4662

173.6726,
208.3649, 308.6695

4.4521, 7.1565,
18.4353

213.0633,
253.4669, 368.5792

1.9609, 3.5602,
11.0903

258.0008,

0.6119, 1.4307,

304.6485, 435.7788

6.0126

308.8502,
362.2942, 510.6868

■ 0.0000, 0.2392,
2.7839

■ 0.0000, 0.0000,
0.9854

■ 47.1309, 60.5952,
103.8197

■ 47.1309, 60.5952,
103.8197

■ 44.1209, 57.1421,
103.3119

■ 50.9955, 64.5479,
104.3790

■ 41.8610, 54.1307,
102.8497

■ 55.7930, 69.0375,
104.9927

■ 40.2070, 51.4873,
102.4267

■ 61.5983, 74.1042,
105.6647

■ 40.0588, 51.2376,
102.3863

■ 68.4773, 79.7824,
106.3982

■ 76.4900, 86.1036,
107.1959

■ 85.6919, 93.0968,
108.0608

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.



43.6003, 60.5952, 78.6843



47.1309, 60.5952, 103.8197



53.6515, 60.5952, 120.4192

Triad

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



47.1309, 60.5952, 103.8197



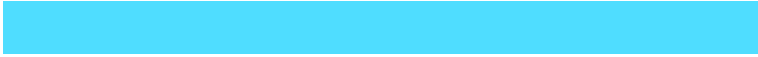
74.3462, 60.5952, 78.2248



53.5152, 60.5952, 31.1267

Complementary

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



47.1309, 60.5952, 103.8197



48.5577, 33.6367, 11.3325

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.



61.7249, 60.5952, 31.0603



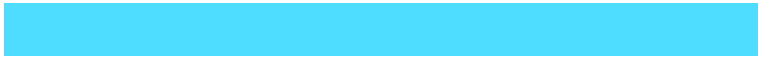
47.1309, 60.5952, 103.8197



74.3008, 60.5952, 54.7188

Square

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



47.1309, 60.5952, 103.8197



69.6197, 60.5952, 103.4148



69.5011, 60.5952, 38.6702



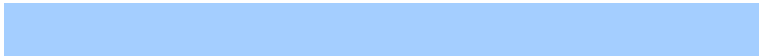
47.0394, 60.5952, 38.8805

Rectangle

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



47.1309, 60.5952, 103.8197



59.0631, 60.5952, 122.3749



69.5011, 60.5952, 38.6702



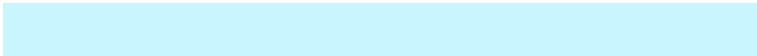
56.1493, 60.5952, 30.2787

Sweetspot

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



47.1327, 60.5973, 103.8200



74.8068, 84.7965, 107.0324



41.8698, 74.3365, 27.2602



15.5270, 17.7700, 22.8615



0.0000, 0.0000, 0.0000



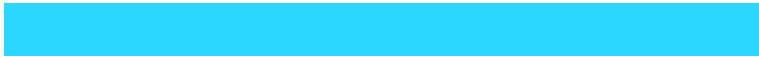
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1327, 60.5973, 103.8200



43.1365, 55.8922, 103.1225



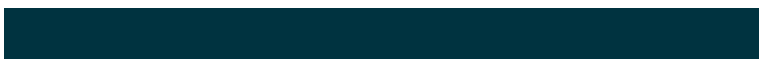
29.9032, 26.1384, 98.0769



18.2391, 19.8499, 23.1201



21.0375, 26.9847, 53.5344



2.1212, 2.7732, 5.2367

Inverse Universe

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



57.0883, 32.0742, 71.5909



54.2689, 27.8742, 66.2149



63.1373, 62.7959, 16.1924



18.6334, 18.2367, 21.9524



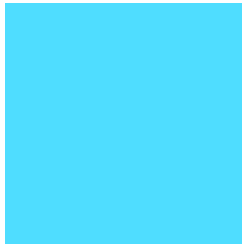
27.4070, 13.4521, 31.8573



2.7053, 1.3245, 3.2956

Previews

White Background



This preview shows how the XYZ color 47.1309, 60.5952, 103.8197 looks on a white background.

Color Contrast Check

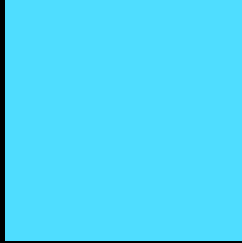
Large Text (above 18pt) WCAG AA × Fail

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 47.1309, 60.5952, 103.8197 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 47.1309, 60.5952, 103.8197

Background



This preview shows how black text looks on a background with the XYZ color 47.1309, 60.5952, 103.8197.

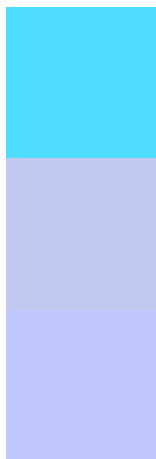


This preview shows how white text looks on a background with the XYZ color 47.1309, 60.5952,

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

47.1309, 60.5952, 103.8197

Protanopia

59.0120, 59.5935, 91.6115

Deuteranopia

60.6966, 59.8660, 102.9640



Tritanopia

44.8634, 60.4658, 92.5256

Trichromacy



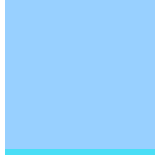
Original Color

47.1309, 60.5952, 103.8197



Protanomaly

52.1393, 58.4410, 95.7210



Deuteranomaly

53.5548, 59.0072, 103.1746



Tritanomaly

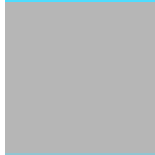
45.5799, 60.3522, 96.4356

Monochromacy



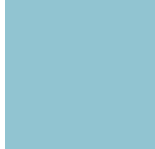
Original Color

47.1309, 60.5952, 103.8197



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

42.9256, 50.1030, 67.7300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1309, 60.5952, 103.8197 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(79, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 221, 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(79, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.1309, 60.5952, 103.8197 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(79, 221, 255) }
```


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

```
.border{ border-color:rgb(79, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1309, 60.5952, 103.8197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 221, 255) }
```

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

```
.background{ background-color: rgb(79, 221,  
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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