

Converting Colors

XYZ(48.6826, 60.2982,
103.7799)

Have a look what the booklet for
XYZ(48.6826, 60.2982, 103.7799)
contains.

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Color

**XYZ(48.6009, 60.1876,
103.6636)**

Conversions

Conversions Part 1

Format	Color
Hex	66DAFF
RGB	102, 218, 255
RGB Percent	40%, 85%, 100%
CMY	0.6000, 0.1451, 0.0000
CMYK	0.60, 0.15, 0.00, 0.00
HSL	195°, 100%, 70%
HSV	195°, 60%, 100%
XYZ	48.6009, 60.1876, 103.6636
YIQ	187.5340, -81.0130, -13.0850

Conversions

Conversions Part 2

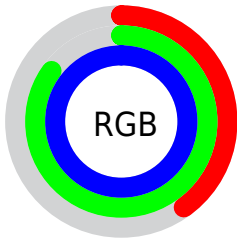
Format	Color
RYB	102, 168, 255
Decimal	6740735
CIELab	81.94, -22.33, -27.89
CIELCh	82, 35.727, 231.319
Yxy	60.1876, 0.2288, 0.2833
Android (android.graphics.Color)	4284930815 (0xFF66DAFF)
YUV	187.5340, 33.2607, -75.0133
Hunter-Lab	77.5807, -23.9437, -24.9171

Details

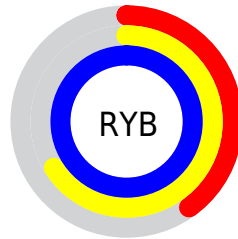
The XYZ color **48.6009, 60.1876, 103.6636** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **52.8720, 40.6861, 17.6390**, and the grayscale version is **47.3883, 49.8562, 54.2934**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **23.4562, 30.3572, 58.0493** is the 20% darker color. If you saturate the color by 10%, you get **44.5737, 55.7828, 103.0256**, and if you desaturate by 10%, it is **53.5795, 65.1737, 104.3636**.

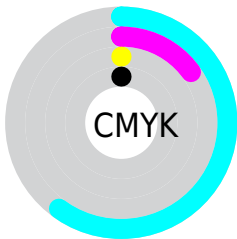
Distribution



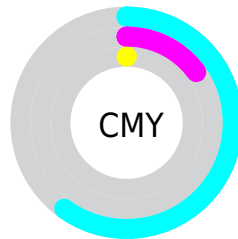
- Red (40%)
- Green (85%)
- Blue (100%)



- Red (40%)
- Yellow (66%)
- Blue (100%)



- Cyan (60%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6009, 60.1876, 103.6636 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 48.6009, 60.1876, 103.6636 by changing the saturation by 10% instead.

■ 48.6009, 60.1876,
103.6636

■ 48.6009, 60.1876,
103.6636

371.7121,
425.2889, 593.2224

■ 34.5162, 43.5699,
78.7298

■ 87.3027, 105.1018,
168.2784

■ 23.4552, 30.3325,
58.1537

■ 112.6505,
134.1670, 208.7965

■ 15.0525, 20.0911,
41.5167

■ 142.4835,
168.1501, 255.3464

■ 8.9428, 12.4613,
28.4003

177.1669,
207.4356, 308.3467

■ 4.7607, 7.0586,
18.3860

217.0661,
252.4079, 368.2159

■ 2.1409, 3.4988,
11.0551

262.5464,

■ 0.7113, 1.3974,

303.4512, 435.3726

5.9893

313.9733,
360.9501, 510.2352

■ 0.0000, 0.2148,
2.7699

■ 0.0000, 0.0000,
0.9784

■ 48.6009, 60.1876,
103.6636

■ 48.6009, 60.1876,
103.6636

■ 44.5737, 55.7828,
103.0256

■ 53.5795, 65.1737,
104.3636

■ 41.4077, 51.9081,
102.4446

■ 59.5788, 70.7740,
105.1283

■ 39.0031, 48.5123,
101.9159

■ 66.6672, 77.0259,
105.9615

■ 37.1947, 45.5093,
101.4316

■ 74.9057, 83.9618,
106.8660

■ 37.1942, 45.5084,
101.4314

■ 84.3503, 91.6114,
107.8448

95.0500, 100.0000,
108.9000

Harmonies

Analogous

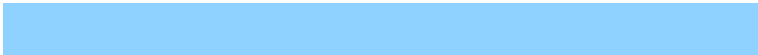
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.7150, 60.1876, 81.8498



48.6009, 60.1876, 103.6636



55.0423, 60.1876, 115.8529

Triad

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



48.6009, 60.1876, 103.6636



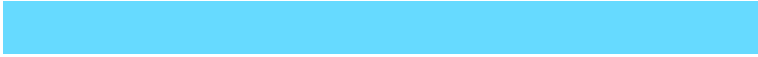
72.7988, 60.1876, 72.0147



52.0869, 60.1876, 33.9203

Complementary

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



48.6009, 60.1876, 103.6636



52.8720, 40.6861, 17.6390

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.



59.4267, 60.1876, 32.4153



48.6009, 60.1876, 103.6636



71.8314, 60.1876, 51.5448

Square

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



48.6009, 60.1876, 103.6636



69.3101, 60.1876, 95.1197



66.7723, 60.1876, 38.1306



46.6010, 60.1876, 42.8235

Rectangle

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



48.6009, 60.1876, 103.6636



60.1048, 60.1876, 115.3674



66.7723, 60.1876, 38.1306



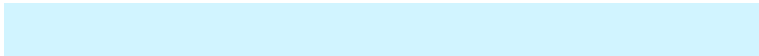
54.4029, 60.1876, 32.6238

Sweetspot

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



48.6026, 60.1897, 103.6639



76.6935, 85.4313, 107.0555



45.8066, 76.1717, 36.2217



15.8614, 17.8295, 22.8554



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.



48.6026, 60.1897, 103.6639



43.8734, 54.9656, 102.9048



33.3237, 29.6319, 98.5709



18.1608, 19.6933, 23.0940



19.5572, 24.0239, 53.0409



1.9890, 2.5086, 5.1927

Inverse Universe

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



58.6475, 35.8264, 70.1560



55.2267, 30.5007, 64.3429



67.7364, 70.4150, 22.5938



18.5938, 18.2208, 21.7442



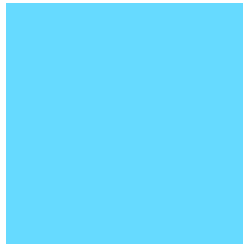
26.6597, 13.1532, 27.9224



2.6385, 1.2978, 2.9440

Previews

White Background



This preview shows how the XYZ color 48.6009, 60.1876, 103.6636 looks on a white background.

Color Contrast Check

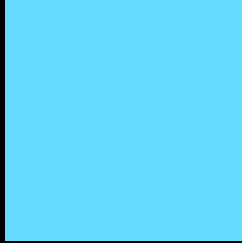
Large Text (above 18pt) WCAG AA × Fail

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 48.6009, 60.1876, 103.6636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

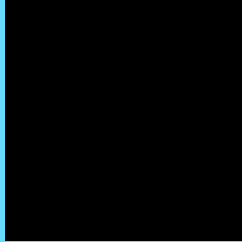
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6009, 60.1876, 103.6636

Background



This preview shows how black text looks on a background with the XYZ color 48.6009, 60.1876, 103.6636.

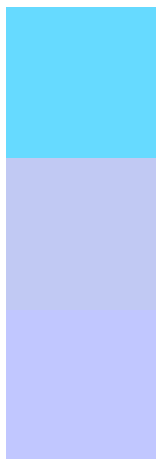


This preview shows how white text looks on a background with the XYZ color 48.6009, 60.1876,

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

48.6009, 60.1876, 103.6636

Protanopia

59.0566, 59.5818, 93.1818

Deuteranopia

60.4657, 59.4043, 102.8870



Tritanopia

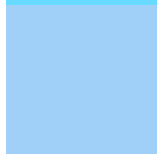
46.1558, 60.3778, 90.8828

Trichromacy



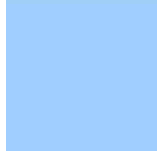
Original Color

48.6009, 60.1876, 103.6636



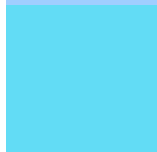
Protanomaly

53.5985, 58.8146, 96.5231



Deuteranomaly

54.6185, 58.8362, 103.0856



Tritanomaly

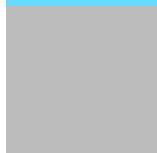
47.1116, 60.3756, 95.5568

Monochromacy



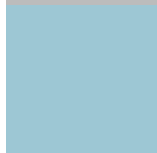
Original Color

48.6009, 60.1876, 103.6636



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

46.2117, 52.7684, 70.0371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6009, 60.1876, 103.6636 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(102, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 218, 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(102, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.6009, 60.1876, 103.6636 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(102, 218, 255) }
```


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

```
.border{ border-color:rgb(102, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6009, 60.1876, 103.6636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 218, 255) }
```

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

```
.background{ background-color: rgb(102,  
218, 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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