

Converting Colors

XYZ(48.8303, 60.3059,
103.6743)

Have a look what the booklet for
XYZ(48.8303, 60.3059, 103.6743)
contains.

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Color

**XYZ(48.8303, 60.3059,
103.6743)**

Conversions

Conversions Part 1

Format	Color
Hex	68DAFF
RGB	104, 218, 255
RGB Percent	41%, 85%, 100%
CMY	0.5921, 0.1451, 0.0000
CMYK	0.59, 0.15, 0.00, 0.00
HSL	195°, 100%, 70%
HSV	195°, 59%, 100%
XYZ	48.8303, 60.3059, 103.6743
YIQ	188.1320, -79.8210, -12.6610

Conversions

Conversions Part 2

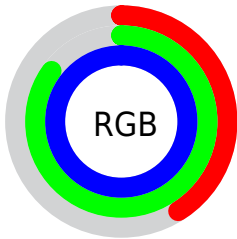
Format	Color
RYB	104, 169, 255
Decimal	6871807
CIELab	82.00, -21.98, -27.79
CIELCh	82, 35.426, 231.658
Yxy	60.3059, 0.2295, 0.2834
Android (android.graphics.Color)	4285061887 (0xFF68DAFF)
YUV	188.1320, 32.9659, -73.7838
Hunter-Lab	77.6569, -23.6595, -24.7942

Details

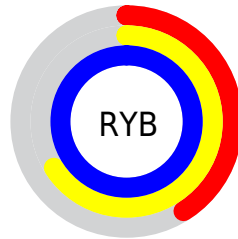
The XYZ color **48.8303, 60.3059, 103.6743** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **53.2645, 41.3106, 18.2651**, and the grayscale version is **47.7279, 50.2135, 54.6825**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **23.5995, 30.4310, 58.0560** is the 20% darker color. If you saturate the color by 10%, you get **44.7160, 55.8259, 103.0264**, and if you desaturate by 10%, it is **53.9038, 65.3735, 104.3851**.

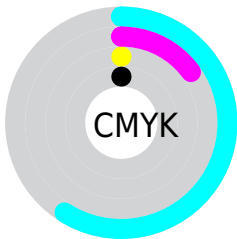
Distribution



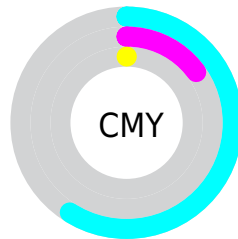
- Red (41%)
- Green (85%)
- Blue (100%)



- Red (41%)
- Yellow (66%)
- Blue (100%)



- Cyan (59%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8303, 60.3059, 103.6743 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 48.8303, 60.3059, 103.6743 by changing the saturation by 10% instead.

■ 48.8303, 60.3059,
103.6743

■ 48.8303, 60.3059,
103.6743

372.6019,
425.7244, 593.2567

■ 34.6989, 43.6652,
78.7387

■ 87.6416, 105.2733,
168.2932

■ 23.5964, 30.4074,
58.1610

■ 113.0522,
134.3688, 208.8135

■ 15.1576, 20.1480,
41.5225

■ 142.9532,
168.3847, 255.3659

■ 9.0171, 12.5027,
28.4048

177.7099,
207.7055, 308.3688

■ 4.8096, 7.0870,
18.3893

217.6878,
252.7154, 368.2408

■ 2.1696, 3.5166,
11.0575

263.2522,

■ 0.7266, 1.4070,

303.7990, 435.4004

5.9909

314.7685,
361.3405, 510.2662

■ 0.0000, 0.2219,
2.7708

■ 0.0000, 0.0000,
0.9789

■ 48.8303, 60.3059,
103.6743

■ 48.8303, 60.3059,
103.6743

■ 44.7160, 55.8259,
103.0264

■ 53.9038, 65.3735,
104.3851

■ 41.4714, 51.8828,
102.4363

■ 60.0050, 71.0613,
105.1614

■ 38.9986, 48.4262,
101.8995

■ 67.2019, 77.4066,
106.0068

■ 37.1475, 45.3777,
101.4086

■ 75.5549, 84.4415,
106.9244

■ 37.0138, 45.1477,
101.3713

■ 85.1201, 92.1956,
107.9170

95.0500, 100.0000,
108.9000

Harmonies

Analogous

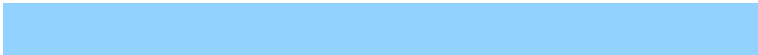
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.9337, 60.3059, 82.1154



48.8303, 60.3059, 103.6743



55.2522, 60.3059, 115.5890

Triad

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



48.8303, 60.3059, 103.6743



72.8039, 60.3059, 71.8387



52.1597, 60.3059, 34.2720

Complementary

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



48.8303, 60.3059, 103.6743



53.2645, 41.3106, 18.2651

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.



59.4366, 60.3059, 32.6901



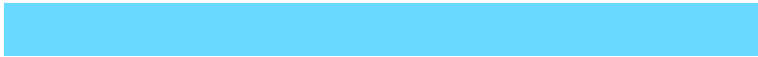
48.8303, 60.3059, 103.6743



71.7935, 60.3059, 51.5692

Square

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



48.8303, 60.3059, 103.6743



69.3899, 60.3059, 94.7602



66.7384, 60.3059, 38.3048



46.7360, 60.3059, 43.2300

Rectangle

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



48.8303, 60.3059, 103.6743



60.2827, 60.3059, 114.9849



66.7384, 60.3059, 38.3048



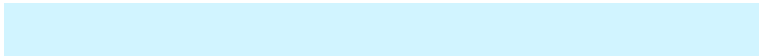
54.4540, 60.3059, 32.9515

Sweetspot

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



48.8320, 60.3080, 103.6746



76.6493, 85.3430, 107.0407



46.1475, 76.3346, 36.8196



15.8505, 17.8077, 22.8518



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.



48.8320, 60.3080, 103.6746



44.0748, 55.0830, 102.9168



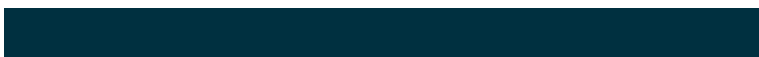
33.7743, 30.1925, 98.6554



18.1557, 19.6830, 23.0922



19.4639, 23.8373, 53.0098



1.9806, 2.4919, 5.1899

Inverse Universe

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



58.8464, 36.2242, 70.2224



55.3980, 30.8359, 64.4229



67.9722, 70.7258, 23.1676



18.5912, 18.2198, 21.7306



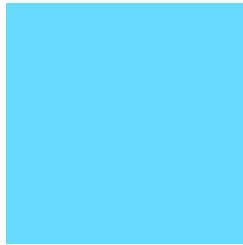
26.6127, 13.1344, 27.6744



2.6343, 1.2961, 2.9217

Previews

White Background



This preview shows how the XYZ color 48.8303, 60.3059, 103.6743 looks on a white background.

Color Contrast Check

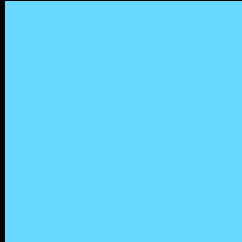
Large Text (above 18pt) WCAG AA × Fail

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 48.8303, 60.3059, 103.6743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

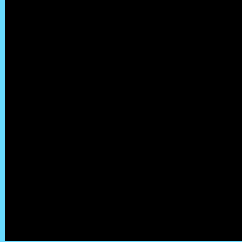
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8303, 60.3059, 103.6743

Background



This preview shows how black text looks on a background with the XYZ color 48.8303, 60.3059, 103.6743.

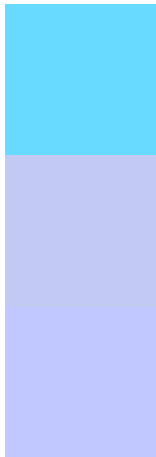


This preview shows how white text looks on a background with the XYZ color 48.8303, 60.3059,

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

48.8303, 60.3059, 103.6743

Protanopia

59.3124, 59.7137, 93.1938

Deuteranopia

60.4657, 59.4043, 102.8870



Tritanopia

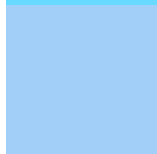
46.3662, 60.4863, 90.8926

Trichromacy



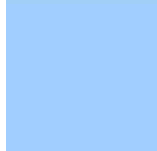
Original Color

48.8303, 60.3059, 103.6743



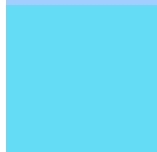
Protanomaly

53.7993, 58.9181, 96.5325



Deuteranomaly

54.8192, 58.9397, 103.0950



Tritanomaly

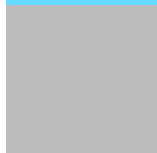
47.3302, 60.4883, 95.5670

Monochromacy



Original Color

48.8303, 60.3059, 103.6743



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 48.8303, 60.3059, 103.6743 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(104, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.8303, 60.3059, 103.6743 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(104, 218, 255) }
```


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

```
.border{ border-color:rgb(104, 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(104, 218, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8303, 60.3059, 103.6743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 218, 255) }
```

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

```
.background{ background-color: rgb(104,  
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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