

Converting Colors

XYZ(52.5555, 61.7495,
118.5583)

Have a look what the booklet for
XYZ(52.5555, 61.7495, 118.5583)
contains.

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Color

**XYZ(49.8035, 60.8076,
103.7199)**

Conversions

Conversions Part 1

Format	Color
Hex	70DAFF
RGB	112, 218, 255
RGB Percent	44%, 85%, 100%
CMY	0.5608, 0.1451, 0.0000
CMYK	0.56, 0.15, 0.00, 0.00
HSL	196°, 100%, 72%
HSV	196°, 56%, 100%
XYZ	49.8035, 60.8076, 103.7199
YIQ	190.5240, -75.0530, -10.9650

Conversions

Conversions Part 2

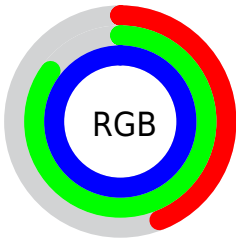
Format	Color
R _Y B	112, 173, 255
Decimal	7396095
CIE Lab	82.28, -20.50, -27.35
CIE LCh	82, 34.179, 233.141
Yxy	60.8076, 0.2324, 0.2837
Android (android.graphics.Color)	4285586175 (0xFF70DAFF)
YUV	190.5240, 31.7867, -68.8655
Hunter-Lab	77.9792, -22.4599, -24.2760

Details

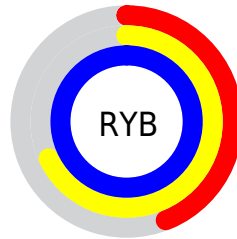
The XYZ color **49.8035, 60.8076, 103.7199** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.9130, 43.9260, 20.9155**, and the grayscale version is **49.1009, 51.6579, 56.2555**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **24.1653, 30.7227, 58.0825** is the 20% darker color. If you saturate the color by 10%, you get **45.3298, 56.0130, 103.0302**, and if you desaturate by 10%, it is **55.2673, 66.2162, 104.4759**.

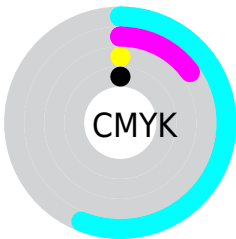
Distribution



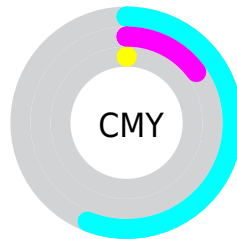
- Red (44%)
- Green (85%)
- Blue (100%)



- Red (44%)
- Yellow (68%)
- Blue (100%)



- Cyan (56%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8035, 60.8076, 103.7199 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 49.8035, 60.8076, 103.7199 by changing the saturation by 10% instead.

49.8035, 60.8076,
103.7199

49.8035, 60.8076,
103.7199

376.3617,
427.5682, 593.4025

35.4744, 44.0699,
78.7767

89.0772, 106.0003,
168.3562

24.1968, 30.7255,
58.1920

114.7526,
135.2241, 208.8863

15.6052, 20.3899,
41.5473

144.9408,
169.3788, 255.4491

9.3343, 12.6788,
28.4240

180.0072,
208.8486, 308.4631

5.0187, 7.2077,
18.4037

220.3172,
254.0181, 368.3469

2.2931, 3.5923,
11.0678

266.2360,

0.7911, 1.4482,

305.2716, 435.5191

5.9977

318.1290,
362.9935, 510.3981

■ 0.0000, 0.2519,
2.7749

■ 0.0000, 0.0000,
0.9809

■ 49.8035, 60.8076,
103.7199

■ 49.8035, 60.8076,
103.7199

■ 45.3298, 56.0130,
103.0302

■ 55.2673, 66.2162,
104.4759

■ 41.7604, 51.7832,
102.4019

■ 61.7872, 72.2703,
105.3008

■ 39.0027, 48.0708,
101.8307

■ 69.4294, 79.0063,
106.1982

■ 36.9400, 44.8141,
101.3108

■ 78.2529, 86.4558,
107.1710

■ 36.2527, 43.6255,
101.1176

■ 88.3125, 94.6481,
108.2221

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.



45.8622, 60.8076, 83.2368



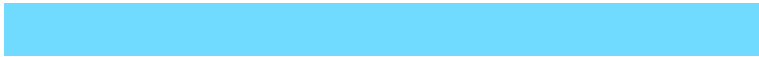
49.8035, 60.8076, 103.7199



56.1411, 60.8076, 114.4881

Triad

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



49.8035, 60.8076, 103.7199



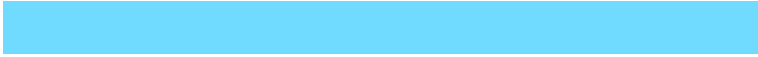
72.8283, 60.8076, 71.1101



52.4701, 60.8076, 35.7775

Complementary

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



49.8035, 60.8076, 103.7199



54.9130, 43.9260, 20.9155

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.



59.4827, 60.8076, 33.8641



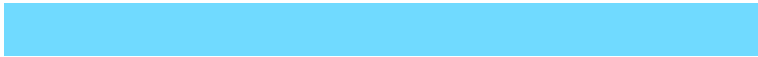
49.8035, 60.8076, 103.7199



71.6384, 60.8076, 51.6781

Square

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



49.8035, 60.8076, 103.7199



69.7278, 60.8076, 93.2683



66.6004, 60.8076, 39.0467



47.3091, 60.8076, 44.9661

Rectangle

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



49.8035, 60.8076, 103.7199



61.0352, 60.8076, 113.3931



66.6004, 60.8076, 39.0467



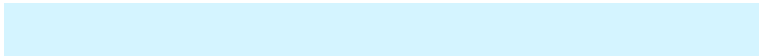
54.6731, 60.8076, 34.3541

Sweetspot

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



49.8052, 60.8098, 103.7202



77.3863, 85.7366, 107.0779



47.7689, 77.0956, 40.2787



16.1684, 18.0212, 22.8762



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.



49.8052, 60.8098, 103.7202



44.9632, 55.5990, 102.9696



35.2845, 31.7683, 98.8799



18.1337, 19.6391, 23.0849



19.0700, 23.0496, 52.8785



1.9451, 2.4209, 5.1780

Inverse Universe

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



59.6903, 37.9120, 70.5037



56.1543, 32.3169, 64.7722



69.5622, 73.2245, 25.7986



18.5802, 18.2154, 21.6722



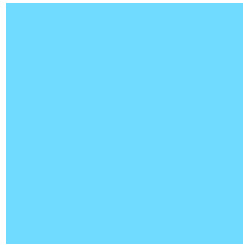
26.4139, 13.0548, 26.6276



2.6164, 1.2889, 2.8274

Previews

White Background



This preview shows how the XYZ color 49.8035, 60.8076, 103.7199 looks on a white background.

Color Contrast Check

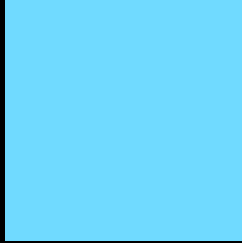
Large Text (above 18pt) WCAG AA × Fail

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 49.8035, 60.8076, 103.7199 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 49.8035, 60.8076, 103.7199

Background



This preview shows how black text looks on a background with the XYZ color 49.8035, 60.8076, 103.7199.

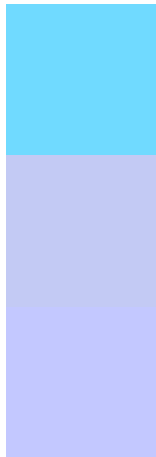


This preview shows how white text looks on a background with the XYZ color 49.8035, 60.8076,

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

49.8035, 60.8076, 103.7199

Protanopia

59.9553, 60.3748, 94.0815

Deuteranopia

61.2100, 60.1307, 102.9880



Tritanopia

47.3803, 61.0091, 90.9401

Trichromacy



Original Color

49.8035, 60.8076, 103.7199

Protanomaly

55.0162, 59.8884, 97.4669

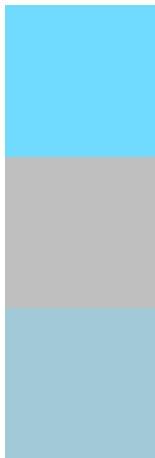
Deuteranomaly

55.8799, 59.8450, 103.2138

Tritanomaly

48.2590, 60.9671, 95.6105

Monochromacy



Original Color

49.8035, 60.8076, 103.7199

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.9245, 54.3097, 71.5753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8035, 60.8076, 103.7199 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, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.8035, 60.8076, 103.7199 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, 218, 255) }
```


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

```
.border{ border-color:rgb(112, 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(112, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8035, 60.8076, 103.7199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 218, 255) }
```

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

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