

Converting Colors

XYZ(48.3840, 77.2027, 49.7936)

Have a look what the booklet for
XYZ(48.3840, 77.2027, 49.7936)
contains.

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Color

**XYZ(48.4009, 77.2094,
49.8880)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFA9
RGB	102, 255, 169
RGB Percent	40%, 100%, 66%
CMY	0.6000, 0.0000, 0.3372
CMYK	0.60, 0.00, 0.34, 0.00
HSL	146°, 100%, 70%
HSV	146°, 60%, 100%
XYZ	48.4009, 77.2094, 49.8880
YIQ	199.4490, -63.5820, -59.1820

Conversions

Conversions Part 2

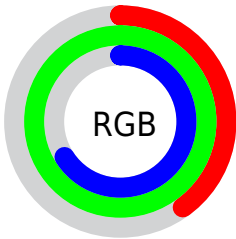
Format	Color
RYB	102, 208, 255
Decimal	6750121
CIELab	90.42, -59.42, 29.29
CIELCh	90, 66.249, 153.757
Yxy	77.2094, 0.2758, 0.4399
Android (android.graphics.Color)	4284940201 (0xFF66FFA9)
YUV	199.4490, -15.0114, -85.4628
Hunter-Lab	87.8689, -55.4472, 27.8460

Details

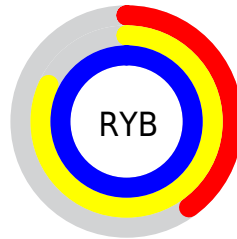
The XYZ color **48.4009, 77.2094, 49.8880** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **55.0687, 34.3941, 51.3132**, and the grayscale version is **54.6783, 57.5258, 62.6456**.

A 20% lighter version of the original color is **64.8677, 84.9556, 84.2133**, and **23.2846, 41.2790, 23.2634** is the 20% darker color. If you saturate the color by 10%, you get **44.6692, 75.4326, 43.0706**, and if you desaturate by 10%, it is **53.1697, 79.5036, 57.5265**.

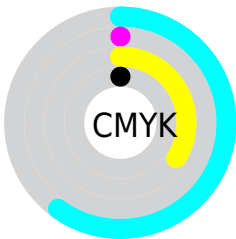
Distribution



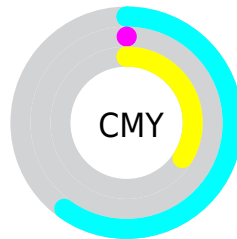
- Red (40%)
- Green (100%)
- Blue (66%)



- Red (40%)
- Yellow (82%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4009, 77.2094, 49.8880 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 48.4009, 77.2094, 49.8880 by changing the saturation by 10% instead.


 48.4009, 77.2094,
49.8880


 48.4009, 77.2094,
49.8880


370.9352,
485.4777, 402.9503


 34.3570, 57.4248,
34.9539


 87.0071, 129.4350,
91.4035

 23.3322, 41.3464,
23.3441


 112.3001,
162.6448, 118.8219

 14.9610, 28.5898,
14.6401


 142.0736,
201.0984, 151.2389

 8.8782, 18.7707,
8.4234

176.6929,
245.1802, 189.0729

 4.7183, 11.5047,
4.2754

216.5234,
295.2747, 232.7425

 2.1160, 6.4074,
1.7776


261.9303,


 0.6979, 3.0944,


351.7661, 282.6663

0.4131


313.2792,
415.0390, 339.2627


 0.0000, 1.1812,
0.0000


 0.0000, 0.0463,
0.0000


 48.4009, 77.2094,
49.8880


 48.4009, 77.2094,
49.8880


 44.6692, 75.4326,
43.0706


 53.1697, 79.5036,
57.5265


 41.8838, 74.1273,
37.0416

 59.0522, 82.3545,
66.0096

 39.9395, 73.2396,
31.7713

 66.1195, 85.7981,
75.3645

 38.6663, 72.6825,
27.2243

 74.4360, 89.8671,
85.6157

■ 38.6662, 72.6825,
27.2239

■ 84.0613, 94.5919,
96.7871

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.



57.0969, 77.2094, 28.8111



48.4009, 77.2094, 49.8880



46.0098, 77.2094, 90.1766

Triad

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



48.4009, 77.2094, 49.8880



75.4883, 77.2094, 211.6065



103.1226, 77.2094, 42.9404

Complementary

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



48.4009, 77.2094, 49.8880



55.0687, 34.3941, 51.3132

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.



109.9058, 77.2094, 78.2415



48.4009, 77.2094, 49.8880



92.5095, 77.2094, 184.7806

Square

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



48.4009, 77.2094, 49.8880



60.2040, 77.2094, 195.0515



105.7584, 77.2094, 131.1058



88.3622, 77.2094, 25.9869

Rectangle

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



48.4009, 77.2094, 49.8880



47.9604, 77.2094, 126.3480



105.7584, 77.2094, 131.1058



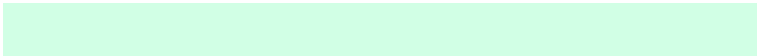
106.5041, 77.2094, 52.4602

Sweetspot

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



48.4014, 77.2096, 49.8893



76.2537, 90.7582, 87.7746



59.0706, 83.2600, 25.5285



15.7588, 19.1502, 18.1173



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.



48.4014, 77.2096, 49.8893



44.0392, 75.1353, 41.8020



57.6907, 80.9253, 98.8059



18.1020, 20.3003, 20.8399



20.2759, 38.0069, 14.6040



2.0279, 3.7221, 1.7050

Inverse Universe

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



55.0687, 34.3941, 51.3132



51.2173, 28.8969, 43.2293



48.9275, 31.9376, 18.9742



18.4370, 18.1581, 20.9184



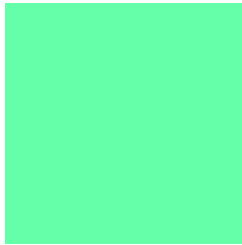
24.2289, 12.1809, 15.1220



2.4140, 1.2080, 1.7616

Previews

White Background



This preview shows how the XYZ color 48.4009, 77.2094, 49.8880 looks on a white background.

Color Contrast Check

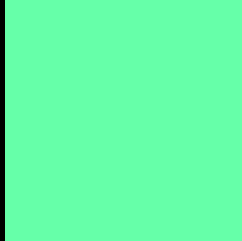
Large Text (above 18pt) WCAG AA × Fail

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 48.4009, 77.2094, 49.8880 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 48.4009, 77.2094, 49.8880

Background



This preview shows how black text looks on a background with the XYZ color 48.4009, 77.2094, 49.8880.

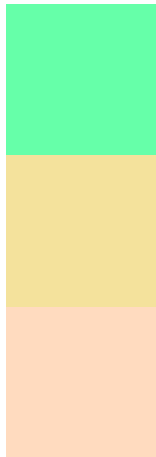


This preview shows how white text looks on a background with the XYZ color 48.4009, 77.2094,

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

48.4009, 77.2094, 49.8880

Protanopia

70.5053, 76.0261, 42.4110

Deuteranopia

75.9755, 75.6846, 59.8945



Tritanopia

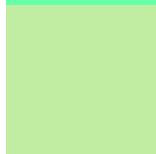
63.2146, 76.3239, 106.0080

Trichromacy



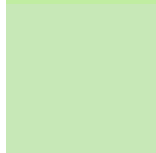
Original Color

48.4009, 77.2094, 49.8880



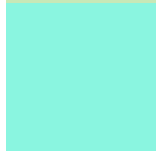
Protanomaly

58.4554, 74.3481, 44.9879



Deuteranomaly

60.9570, 73.2742, 55.7303



Tritanomaly

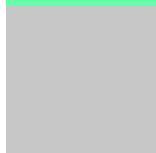
56.5882, 76.0899, 82.2253

Monochromacy



Original Color

48.4009, 77.2094, 49.8880



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.7185, 62.1864, 56.9597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4009, 77.2094, 49.8880 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, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 169)  
}
```

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, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 48.4009, 77.2094, 49.8880 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, 255, 169) }
```


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

```
.border{ border-color:rgb(102, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4009, 77.2094, 49.8880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 169) }
```

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

```
.background{ background-color: rgb(102,  
255, 169) }
```

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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