

Converting Colors

XYZ(48.9326, 76.7596, 50.9589)

Have a look what the booklet for
XYZ(48.9326, 76.7596, 50.9589)
contains.

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Color

**XYZ(49.0992, 77.0751,
50.8173)**

Conversions

Conversions Part 1

Format	Color
Hex	6DFEAB
RGB	109, 254, 171
RGB Percent	43%, 100%, 67%
CMY	0.5725, 0.0039, 0.3294
CMYK	0.57, 0.00, 0.33, 0.00
HSL	146°, 99%, 71%
HSV	146°, 57%, 100%
XYZ	49.0992, 77.0751, 50.8173
YIQ	201.1830, -59.7770, -56.5530

Conversions

Conversions Part 2

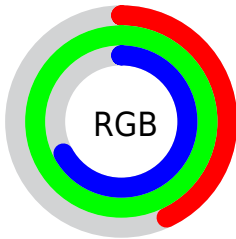
Format	Color
RYB	109, 211, 254
Decimal	7208619
CIELab	90.36, -57.24, 28.24
CIELCh	90, 63.828, 153.744
Yxy	77.0751, 0.2774, 0.4355
Android (android.graphics.Color)	4285398699 (0xFF6DFEAB)
YUV	201.1830, -14.8802, -80.8445
Hunter-Lab	87.7924, -53.8080, 27.1356

Details

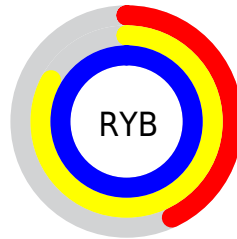
The XYZ color **49.0992, 77.0751, 50.8173** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **55.8586, 35.8156, 53.8410**, and the grayscale version is **55.7486, 58.6518, 63.8719**.

A 20% lighter version of the original color is **66.2027, 85.6121, 85.7086**, and **23.7031, 41.1452, 23.8321** is the 20% darker color. If you saturate the color by 10%, you get **45.1039, 75.1690, 43.7902**, and if you desaturate by 10%, it is **54.1535, 79.5137, 58.6932**.

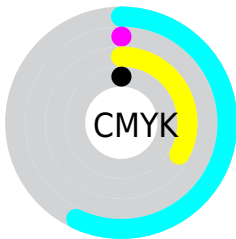
Distribution



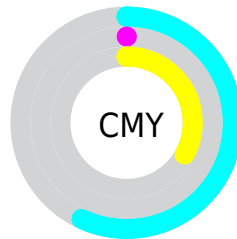
- Red (43%)
- Green (100%)
- Blue (67%)



- Red (43%)
- Yellow (83%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0992, 77.0751, 50.8173 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 49.0992, 77.0751, 50.8173 by changing the saturation by 10% instead.


 49.0992, 77.0751,
50.8173


 49.0992, 77.0751,
50.8173


373.6432,
485.0200, 406.6798


 34.9130, 57.3145,
35.6875


 88.0386, 129.2455,
92.7934

 23.7621, 41.2578,
23.9052


 113.5226,
162.4241, 120.4768

 15.2810, 28.5206,
15.0517


 143.5032,
200.8441, 153.1818

 9.1044, 18.7185,
8.7087

178.3457,
244.8900, 191.3269

 4.8670, 11.4670,
4.4574

218.4157,
294.9462, 235.3307

 2.2034, 6.3819,
1.8795


264.0783,


 0.7445, 3.0787,


351.3970, 285.6118


0.4796


315.6991,
414.6268, 342.5887


 0.0000, 1.1729,
0.0000


 0.0000, 0.0394,
0.0000


 49.0992, 77.0751,
50.8173


 49.0992, 77.0751,
50.8173


 45.1039, 75.1690,
43.7902


 54.1535, 79.5137,
58.6932


 42.0766, 73.7428,
37.5770


 60.3362, 82.5138,
67.4406


 39.9199, 72.7489,
32.1479

 67.7173, 86.1131,
77.0879

 38.5077, 72.1230,
27.4682

 76.3595, 90.3432,
87.6605

 38.1824, 71.9821,
26.2388

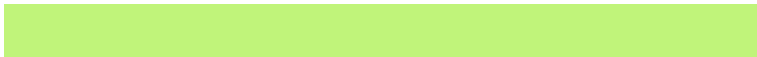
 86.3209, 95.2337,
99.1827

94.7332, 99.3665,
108.7944

Harmonies

Analogous

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



57.5407, 77.0751, 30.1080



49.0992, 77.0751, 50.8173



46.7693, 77.0751, 89.7756

Triad

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



49.0992, 77.0751, 50.8173



75.2740, 77.0751, 205.2592



101.7612, 77.0751, 44.0477

Complementary

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



49.0992, 77.0751, 50.8173



55.8586, 35.8156, 53.8410

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.



108.2303, 77.0751, 78.3279



49.0992, 77.0751, 50.8173



91.6036, 77.0751, 179.9180

Square

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



49.0992, 77.0751, 50.8173



60.5377, 77.0751, 189.6018



104.2693, 77.0751, 128.9651



87.6449, 77.0751, 27.3100

Rectangle

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



49.0992, 77.0751, 50.8173



48.6664, 77.0751, 124.3848



104.2693, 77.0751, 128.9651



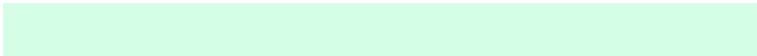
104.9881, 77.0751, 53.3498

Sweetspot

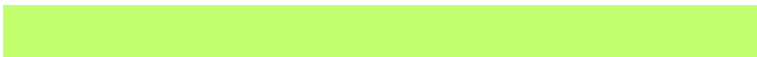
The Sweet Spot groups the original color and five complimentary colors.



49.1012, 77.0782, 50.8191



77.1196, 91.1887, 88.5361



60.3460, 83.4054, 27.3871



16.1088, 19.3231, 18.4749



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

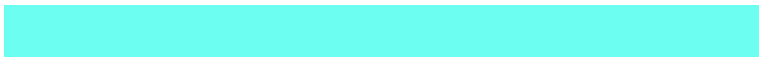
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.1012, 77.0782, 50.8191



44.8449, 75.5269, 42.9100



57.7654, 80.5439, 96.4442



18.0939, 20.2971, 20.7976



20.1998, 37.9765, 14.2033



2.0202, 3.7190, 1.6640

Inverse Universe

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



55.8586, 35.8156, 53.8410



52.2541, 30.1450, 46.1204



49.8001, 33.3922, 21.9376



18.4452, 18.1614, 20.9614



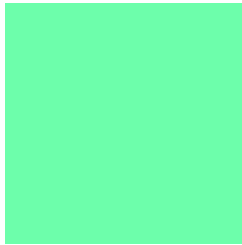
24.3348, 12.2232, 15.6793



2.4241, 1.2120, 1.8149

Previews

White Background



This preview shows how the XYZ color 49.0992, 77.0751, 50.8173 looks on a white background.

Color Contrast Check

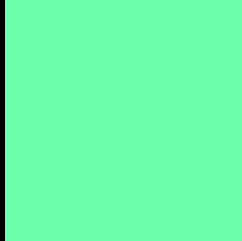
Large Text (above 18pt) WCAG AA × Fail

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 49.0992, 77.0751, 50.8173 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 49.0992, 77.0751, 50.8173

Background



This preview shows how black text looks on a background with the XYZ color 49.0992, 77.0751, 50.8173.



This preview shows how white text looks on a background with the XYZ color 49.0992, 77.0751,

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

49.0992, 77.0751, 50.8173

Protanopia

70.1454, 75.4083, 43.6591

Deuteranopia

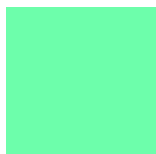
75.9755, 75.6846, 59.8945



Tritanopia

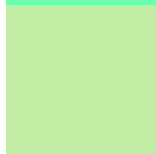
63.4137, 76.4266, 106.0173

Trichromacy



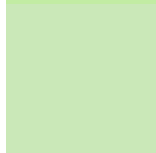
Original Color

49.0992, 77.0751, 50.8173



Protanomaly

58.8544, 74.1046, 45.8520



Deuteranomaly

61.8655, 73.7305, 56.3181



Tritanomaly

56.7897, 75.7459, 82.1483

Monochromacy



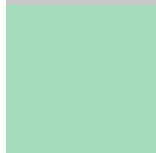
Original Color

49.0992, 77.0751, 50.8173



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.0359, 63.2289, 58.2297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0992, 77.0751, 50.8173 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(109, 254, 171)` looks like.

```
.text, #text, p{  
    color:rgb(109, 254, 171)  
}
```

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(109, 254, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 254, 171) }
```

Border

The CSS property to change the border of an element to XYZ 49.0992, 77.0751, 50.8173 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(109, 254, 171) }
```


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

```
.border{ border-color:rgb(109, 254, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 254, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 254, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 254, 171);  
box-shadow:4px 4px 4px 4px rgb(109, 254,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0992, 77.0751, 50.8173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 254, 171) }
```

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

```
.background{ background-color: rgb(109,  
254, 171) }
```

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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