

Converting Colors

XYZ(48.5433, 77.2663, 50.6378)

Have a look what the booklet for
XYZ(48.5433, 77.2663, 50.6378)
contains.

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Color

**XYZ(48.5902, 77.2851,
50.8846)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFAB
RGB	102, 255, 171
RGB Percent	40%, 100%, 67%
CMY	0.6000, 0.0000, 0.3294
CMYK	0.60, 0.00, 0.33, 0.00
HSL	147°, 100%, 70%
HSV	147°, 60%, 100%
XYZ	48.5902, 77.2851, 50.8846
YIQ	199.6770, -64.2240, -58.5600

Conversions

Conversions Part 2

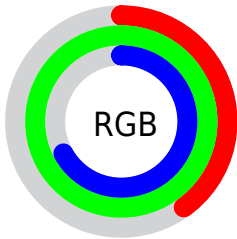
Format	Color
RYB	102, 207, 255
Decimal	6750123
CIELab	90.45, -59.05, 28.33
CIELCh	90, 65.496, 154.367
Yxy	77.2851, 0.2749, 0.4372
Android (android.graphics.Color)	4284940203 (0xFF66FFAB)
YUV	199.6770, -14.1378, -85.6627
Hunter-Lab	87.9119, -55.1864, 27.2205

Details

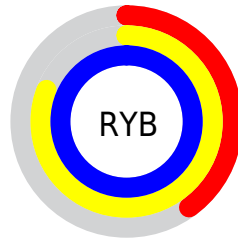
The XYZ color **48.5902, 77.2851, 50.8846** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **54.8547, 34.3085, 50.1858**, and the grayscale version is **54.8136, 57.6682, 62.8007**.

A 20% lighter version of the original color is **65.1422, 85.0654, 85.6590**, and **23.4022, 41.3261, 23.8828** is the 20% darker color. If you saturate the color by 10%, you get **44.8666, 75.5116, 44.1099**, and if you desaturate by 10%, it is **53.3447, 79.5736, 58.4479**.

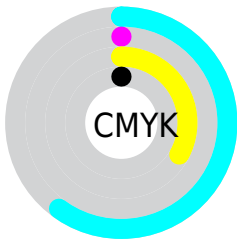
Distribution



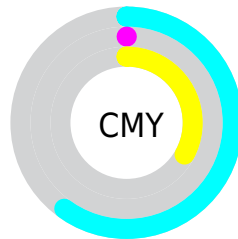
- Red (40%)
- Green (100%)
- Blue (67%)



- Red (40%)
- Yellow (81%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5902, 77.2851, 50.8846 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 48.5902, 77.2851, 50.8846 by changing the saturation by 10% instead.

 48.5902, 77.2851,
50.8846


 48.5902, 77.2851,
50.8846


371.6706,
485.7355, 406.9490


 34.5077, 57.4869,
35.7407


 87.2869, 129.5419,
92.8939

 23.4486, 41.3963,
23.9459


 112.6318,
162.7692, 120.5964

 15.0476, 28.6289,
15.0817


 142.4616,
201.2417, 153.3222

 8.9394, 18.8002,
8.7295

177.1415,
245.3438, 191.4898

 4.7584, 11.5260,
4.4707

217.0371,
295.4598, 235.5177

 2.1395, 6.4218,
1.8870

262.5135,

 0.7106, 3.1032,

351.9742, 285.8245

0.4844

313.9362,
415.2713, 342.8288

0.0000, 1.1859,
0.0000

0.0000, 0.0501,
0.0000

48.5902, 77.2851,
50.8846

48.5902, 77.2851,
50.8846

44.8666, 75.5116,
44.1099

53.3447, 79.5736,
58.4479

42.0835, 74.2071,
38.0931

59.2065, 82.4162,
66.8216

40.1361, 73.3182,
32.8063

66.2463, 85.8488,
76.0311

38.8547, 72.7579,
28.2164

74.5281, 89.9040,
86.0996

■ 38.8546, 72.7578,
28.2159

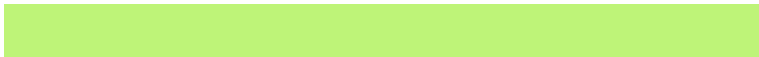
■ 84.1113, 94.6119,
97.0493

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.



57.0929, 77.2851, 29.5418



48.5902, 77.2851, 50.8846



46.3447, 77.2851, 91.1978

Triad

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



48.5902, 77.2851, 50.8846



75.8784, 77.2851, 209.7287



102.6017, 77.2851, 42.8529

Complementary

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



48.5902, 77.2851, 50.8846



54.8547, 34.3085, 50.1858

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.



109.4976, 77.2851, 77.4756



48.5902, 77.2851, 50.8846



92.6829, 77.2851, 182.5670

Square

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



48.5902, 77.2851, 50.8846



60.6721, 77.2851, 194.3055



105.6236, 77.2851, 129.4490



87.9229, 77.2851, 26.2580

Rectangle

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



48.5902, 77.2851, 50.8846



48.3675, 77.2851, 127.0591



105.6236, 77.2851, 129.4490



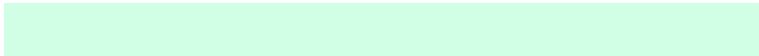
105.9984, 77.2851, 52.1859

Sweetspot

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



48.5908, 77.2853, 50.8859



76.3377, 90.7919, 88.2171



58.4449, 82.9374, 25.4993



15.7792, 19.1584, 18.2248



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.



48.5908, 77.2853, 50.8859



44.2375, 75.2146, 42.8460



58.0824, 81.0820, 100.8684



18.1121, 20.3044, 20.8934



20.3752, 38.0467, 15.1271



2.0380, 3.7261, 1.7581

Inverse Universe

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



54.8547, 34.3085, 50.1858



50.9843, 28.8037, 42.0025



48.7873, 31.8816, 18.2354



18.4267, 18.1540, 20.8641



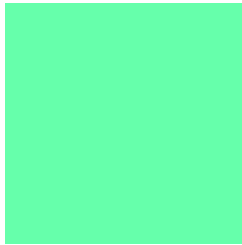
24.0985, 12.1287, 14.4353



2.4015, 1.2030, 1.6957

Previews

White Background



This preview shows how the XYZ color 48.5902, 77.2851, 50.8846 looks on a white background.

Color Contrast Check

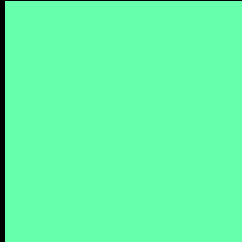
Large Text (above 18pt) WCAG AA × Fail

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 48.5902, 77.2851, 50.8846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

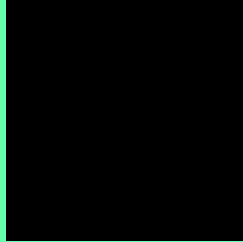
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5902, 77.2851, 50.8846

Background



This preview shows how black text looks on a background with the XYZ color 48.5902, 77.2851, 50.8846.

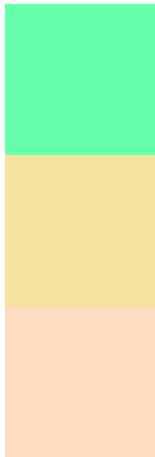


This preview shows how white text looks on a background with the XYZ color 48.5902, 77.2851,

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

48.5902, 77.2851, 50.8846

Protanopia

70.6761, 76.0944, 43.3104

Deuteranopia

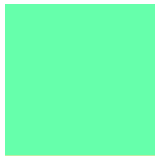
76.0859, 75.7288, 60.4761



Tritanopia

63.2146, 76.3239, 106.0080

Trichromacy



Original Color

48.5902, 77.2851, 50.8846



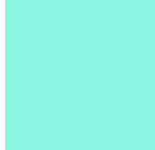
Protanomaly

58.6333, 74.4192, 45.9244



Deuteranomaly

61.0615, 73.3160, 56.2805



Tritanomaly

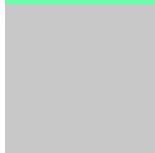
56.5882, 76.0899, 82.2253

Monochromacy



Original Color

48.5902, 77.2851, 50.8846



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.0883, 62.7530, 57.6167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5902, 77.2851, 50.8846 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 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(102, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 171) }
```

Border

The CSS property to change the border of an element to XYZ 48.5902, 77.2851, 50.8846 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, 171) }
```


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

```
.border{ border-color:rgb(102, 255, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 255, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 255, 171); box-shadow:4px 4px 4px 4px rgb(102, 255, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5902, 77.2851, 50.8846 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, 171) }
```

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

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