

Converting Colors

XYZ(45.6412, 75.8214, 48.1901)

Have a look what the booklet for
XYZ(45.6412, 75.8214, 48.1901)
contains.

XYZ(45.7035, 75.8510, 48.3083)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.7035, 75.8510,
48.3083)**

Conversions

Conversions Part 1

Format	Color
Hex	4DFFA6
RGB	77, 255, 166
RGB Percent	30%, 100%, 65%
CMY	0.6980, 0.0000, 0.3490
CMYK	0.70, 0.00, 0.35, 0.00
HSL	150°, 100%, 65%
HSV	150°, 70%, 100%
XYZ	45.7035, 75.8510, 48.3083
YIQ	191.6320, -77.5190, -65.4150

Conversions

Conversions Part 2

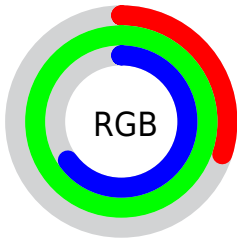
Format	Color
RYB	77, 196, 255
Decimal	5111718
CIELab	89.79, -64.27, 29.86
CIELCh	90, 70.870, 155.084
Yxy	75.8510, 0.2691, 0.4465
Android (android.graphics.Color)	4283301798 (0xFF4DFFA6)
YUV	191.6320, -12.6366, -100.5323
Hunter-Lab	87.0925, -58.7404, 28.0779

Details

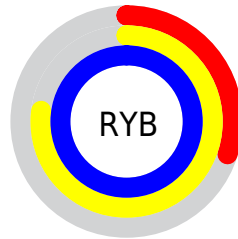
The XYZ color **45.7035, 75.8510, 48.3083** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **50.7772, 29.3215, 39.0603**, and the grayscale version is **49.9923, 52.5958, 57.2768**.

A 20% lighter version of the original color is **60.7989, 82.9049, 81.9051**, and **22.9469, 41.1248, 22.3512** is the 20% darker color. If you saturate the color by 10%, you get **42.9214, 74.5452, 42.3730**, and if you desaturate by 10%, it is **49.4084, 77.6190, 54.8946**.

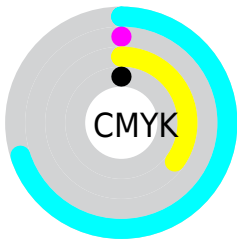
Distribution



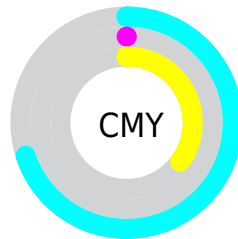
- Red (30%)
- Green (100%)
- Blue (65%)



- Red (30%)
- Yellow (77%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7035, 75.8510, 48.3083 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 45.7035, 75.8510, 48.3083 by changing the saturation by 10% instead.


 45.7035, 75.8510,
48.3083


 45.7035, 75.8510,
48.3083


360.3513,
480.8375, 396.5568


 32.2155, 56.3103,
33.7094


 83.0057, 127.5163,
89.0336


 21.6825, 40.4518,
22.3949


 107.5506,
160.4097, 115.9970

 13.7391, 27.8910,
13.9462


 136.5119,
198.5227, 147.9190

 8.0199, 18.2435,
7.9450

 170.2549,
242.2399, 185.2182

 4.1596, 11.1249,
3.9725

209.1450,
291.9456, 228.3130

 1.7928, 6.1509,
1.6103

253.5475,

 0.5133, 2.9371,

348.0242, 277.6220

0.2981

303.8278,
410.8600, 333.5637

■ 0.0000, 1.0990,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.7035, 75.8510,
48.3083

■ 45.7035, 75.8510,
48.3083

■ 42.9214, 74.5452,
42.3730

■ 49.4084, 77.6190,
54.8946

■ 40.9569, 73.6480,
37.0626

■ 54.1220, 79.8932,
62.1490

■ 39.6463, 73.0753,
32.3523

■ 59.9215, 82.7132,
70.0926

■ 39.6235, 73.0654,
32.2650

■ 66.8759, 86.1140,
78.7441

■ 75.0483, 90.1279,
88.1215

■ 84.4969, 94.7846,
98.2420

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.



54.4479, 75.8510, 26.2038



45.7035, 75.8510, 48.3083



43.5278, 75.8510, 91.4169

Triad

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



45.7035, 75.8510, 48.3083



75.1141, 75.8510, 220.3783



103.2478, 75.8510, 38.6931

Complementary

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



45.7035, 75.8510, 48.3083



50.7772, 29.3215, 39.0603

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.



111.0270, 75.8510, 74.3482



45.7035, 75.8510, 48.3083



93.1922, 75.8510, 189.0692

Square

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



45.7035, 75.8510, 48.3083



58.8397, 75.8510, 204.2780



107.0789, 75.8510, 130.1471



87.2030, 75.8510, 22.4323

Rectangle

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



45.7035, 75.8510, 48.3083



45.7342, 75.8510, 130.4938



107.0789, 75.8510, 130.1471



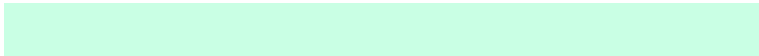
107.0247, 75.8510, 48.1296

Sweetspot

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



45.7040, 75.8512, 48.3096



74.0034, 89.6139, 86.9597



52.8260, 80.1631, 19.7107



15.3389, 18.9349, 18.0482



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.



45.7040, 75.8512, 48.3096



42.0040, 74.1223, 40.0691



56.8709, 80.3179, 107.1132



18.1504, 20.3197, 21.0949



20.7795, 38.2084, 17.2560



2.0783, 3.7423, 1.9704

Inverse Universe

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



50.7772, 29.3215, 39.0603



47.3633, 24.9670, 30.2979



45.2338, 27.1042, 9.8694



18.3882, 18.1386, 20.6613



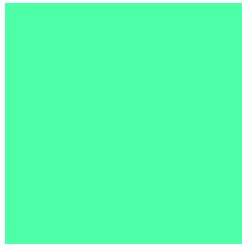
23.6428, 11.9464, 12.0356



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 45.7035, 75.8510, 48.3083 looks on a white background.

Color Contrast Check

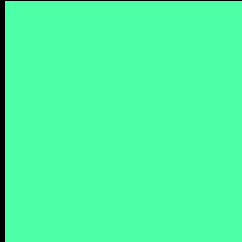
Large Text (above 18pt) WCAG AA × Fail

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 45.7035, 75.8510, 48.3083 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

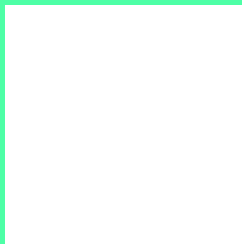
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7035, 75.8510, 48.3083

Background



This preview shows how black text looks on a background with the XYZ color 45.7035, 75.8510, 48.3083.



This preview shows how white text looks on a background with the XYZ color 45.7035, 75.8510,

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

45.7035, 75.8510, 48.3083

Protanopia

69.0234, 74.4885, 40.8768

Deuteranopia

74.6588, 73.9169, 56.7868



Tritanopia

60.9491, 75.1560, 105.9020

Trichromacy



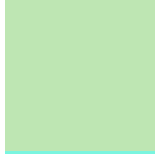
Original Color

45.7035, 75.8510, 48.3083



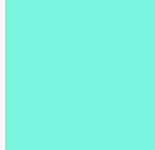
Protanomaly

55.1713, 71.8304, 43.3046



Deuteranomaly

57.6687, 70.7955, 53.2733



Tritanomaly

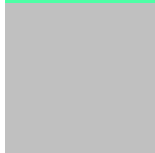
53.9977, 74.7701, 81.3981

Monochromacy



Original Color

45.7035, 75.8510, 48.3083



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

45.4254, 58.5038, 53.6979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7035, 75.8510, 48.3083 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(77, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 166)  
}
```

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(77, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 166) }
```

Border

The CSS property to change the border of an element to XYZ 45.7035, 75.8510, 48.3083 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(77, 255, 166) }
```


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

```
.border{ border-color:rgb(77, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7035, 75.8510, 48.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 166) }
```

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

```
.background{ background-color: rgb(77, 255,  
166) }
```

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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