

Converting Colors

XYZ(45.8109, 75.8945, 48.8475)

Have a look what the booklet for
XYZ(45.8109, 75.8945, 48.8475)
contains.

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Color

**XYZ(45.7956, 75.8878,
48.7933)**

Conversions

Conversions Part 1

Format	Color
Hex	4DFFA7
RGB	77, 255, 167
RGB Percent	30%, 100%, 65%
CMY	0.6980, 0.0000, 0.3451
CMYK	0.70, 0.00, 0.35, 0.00
HSL	150°, 100%, 65%
HSV	150°, 70%, 100%
XYZ	45.7956, 75.8878, 48.7933
YIQ	191.7460, -77.8400, -65.1040

Conversions

Conversions Part 2

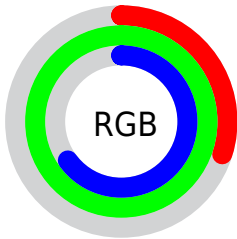
Format	Color
RYB	77, 195, 255
Decimal	5111719
CIELab	89.81, -64.08, 29.38
CIELCh	90, 70.497, 155.372
Yxy	75.8878, 0.2686, 0.4452
Android (android.graphics.Color)	4283301799 (0xFF4DFFA7)
YUV	191.7460, -12.1998, -100.6322
Hunter-Lab	87.1136, -58.6114, 27.7705

Details

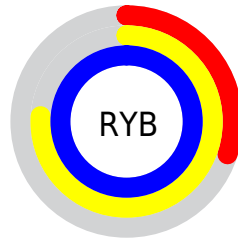
The XYZ color **45.7956, 75.8878, 48.7933** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **50.6858, 29.2850, 38.5792**, and the grayscale version is **50.0565, 52.6633, 57.3504**.

A 20% lighter version of the original color is **60.9333, 82.9587, 82.6131**, and **23.0035, 41.1474, 22.6494** is the 20% darker color. If you saturate the color by 10%, you get **43.0165, 74.5833, 42.8738**, and if you desaturate by 10%, it is **49.4952, 77.6537, 55.3516**.

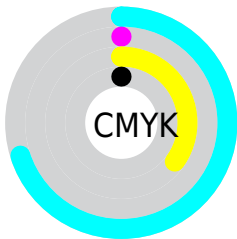
Distribution



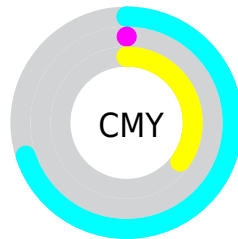
- Red (30%)
- Green (100%)
- Blue (65%)



- Red (30%)
- Yellow (76%)
- 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 45.7956, 75.8878, 48.7933 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 45.7956, 75.8878, 48.7933 by changing the saturation by 10% instead.


 45.7956, 75.8878,
48.7933


 45.7956, 75.8878,
48.7933


360.7160,
480.9635, 398.5271


 32.2885, 56.3405,
34.0911


 83.1428, 127.5683,
89.7622


 21.7386, 40.4760,
22.6857


 107.7135,
160.4703, 116.8660

 13.7805, 27.9099,
14.1585


 136.7029,
198.5926, 148.9407

 8.0488, 18.2577,
8.0910

 170.4762,
242.3197, 186.4048

 4.1783, 11.1352,
4.0646

209.3988,
292.0360, 229.6770

 1.8035, 6.1578,
1.6608

253.8361,

 0.5198, 2.9413,

348.1258, 279.1758

0.3337

304.1533,
410.9735, 335.3196

■ 0.0000, 1.1012,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.7956, 75.8878,
48.7933

■ 45.7956, 75.8878,
48.7933

■ 43.0165, 74.5833,
42.8738

■ 49.4952, 77.6537,
55.3516

■ 41.0528, 73.6863,
37.5674


■ 54.2011, 79.9249,
62.5650

■ 39.7409, 73.1131,
32.8502

■ 59.9902, 82.7407,
70.4541

■ 39.7180, 73.1032,
32.7626

■ 66.9316, 86.1363,
79.0370

 75.0882, 90.1439,
88.3313

 84.5182, 94.7932,
98.3536

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.



54.4471, 75.8878, 26.5460



45.7956, 75.8878, 48.7933



43.6897, 75.8878, 91.9266

Triad

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



45.7956, 75.8878, 48.7933



75.3064, 75.8878, 219.4023



102.9853, 75.8878, 38.6552

Complementary

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



45.7956, 75.8878, 48.7933



50.6858, 29.2850, 38.5792

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.



110.8186, 75.8878, 73.9803



45.7956, 75.8878, 48.7933



93.2764, 75.8878, 187.9384

Square

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



45.7956, 75.8878, 48.7933



59.0691, 75.8878, 203.8815



107.0076, 75.8878, 129.3214



86.9848, 75.8878, 22.5571

Rectangle

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



45.7956, 75.8878, 48.7933



45.9315, 75.8878, 130.8491



107.0076, 75.8878, 129.3214



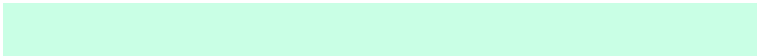
106.7687, 75.8878, 48.0031

Sweetspot

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



45.7962, 75.8881, 48.7946



74.0453, 89.6307, 87.1801



52.8260, 80.1631, 19.7107



15.3489, 18.9388, 18.1005



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.



45.7962, 75.8881, 48.7946



42.0996, 74.1606, 40.5728



56.8709, 80.3180, 107.1132



18.1548, 20.3214, 21.1180



20.8291, 38.2282, 17.5170



2.0832, 3.7442, 1.9961

Inverse Universe

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



50.6858, 29.2850, 38.5792



47.2687, 24.9291, 29.7993



45.2339, 27.1042, 9.8695



18.3838, 18.1368, 20.6381



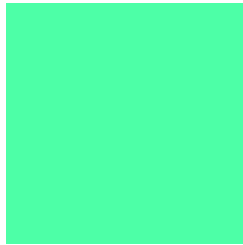
23.5939, 11.9269, 11.7781



2.3523, 1.1833, 1.4367

Previews

White Background



This preview shows how the XYZ color 45.7956, 75.8878, 48.7933 looks on a white background.

Color Contrast Check

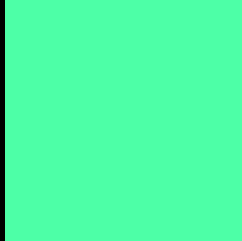
Large Text (above 18pt) WCAG AA × Fail

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 45.7956, 75.8878, 48.7933 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 45.7956, 75.8878, 48.7933

Background



This preview shows how black text looks on a background with the XYZ color 45.7956, 75.8878, 48.7933.

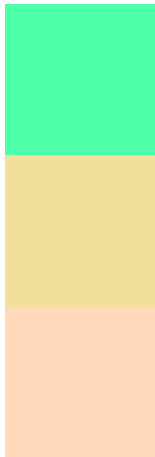


This preview shows how white text looks on a background with the XYZ color 45.7956, 75.8878,

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

45.7956, 75.8878, 48.7933

Protanopia

69.1063, 74.5216, 41.3137

Deuteranopia

74.9158, 74.4309, 56.8725



Tritanopia

60.9491, 75.1560, 105.9020

Trichromacy



Original Color

45.7956, 75.8878, 48.7933



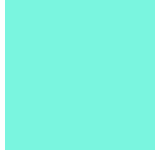
Protanomaly

55.2577, 71.8649, 43.7598



Deuteranomaly

57.9478, 71.3537, 53.3663



Tritanomaly

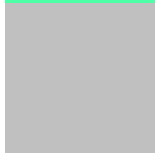
53.9977, 74.7701, 81.3981

Monochromacy



Original Color

45.7956, 75.8878, 48.7933



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 45.7956, 75.8878, 48.7933 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 167) }
```

Border

The CSS property to change the border of an element to XYZ 45.7956, 75.8878, 48.7933 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, 167) }
```


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

```
.border{ border-color:rgb(77, 255, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7956, 75.8878, 48.7933 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, 167) }
```

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

```
.background{ background-color: rgb(77, 255,  
167) }
```

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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