

Converting Colors

XYZ(45.9669, 75.9757, 48.8175)

Have a look what the booklet for
XYZ(45.9669, 75.9757, 48.8175)
contains.

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Color

**XYZ(45.9595, 75.9723,
48.8010)**

Conversions

Conversions Part 1

Format	Color
Hex	4FFFA7
RGB	79, 255, 167
RGB Percent	31%, 100%, 65%
CMY	0.6902, 0.0000, 0.3451
CMYK	0.69, 0.00, 0.35, 0.00
HSL	150°, 100%, 65%
HSV	150°, 69%, 100%
XYZ	45.9595, 75.9723, 48.8010
YIQ	192.3440, -76.6480, -64.6800

Conversions

Conversions Part 2

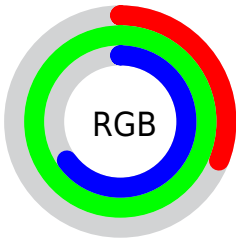
Format	Color
RYB	79, 196, 255
Decimal	5242791
CIELab	89.85, -63.79, 29.44
CIELCh	90, 70.252, 155.227
Yxy	75.9723, 0.2692, 0.4450
Android (android.graphics.Color)	4283432871 (0xFF4FFFA7)
YUV	192.3440, -12.4946, -99.4027
Hunter-Lab	87.1621, -58.4128, 27.8177

Details

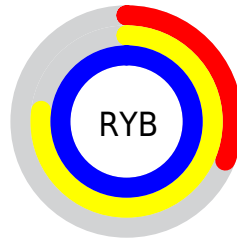
The XYZ color **45.9595, 75.9723, 48.8010** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **51.0115, 29.6426, 39.5929**, and the grayscale version is **50.4072, 53.0323, 57.7522**.

A 20% lighter version of the original color is **61.1119, 83.0508, 82.6215**, and **23.0035, 41.1474, 22.6494** is the 20% darker color. If you saturate the color by 10%, you get **43.1086, 74.6321, 42.8157**, and if you desaturate by 10%, it is **49.7406, 77.7785, 55.4391**.

Distribution



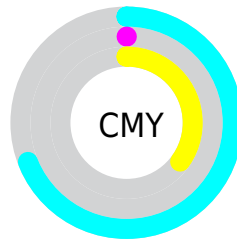
- Red (31%)
- Green (100%)
- Blue (65%)



- Red (31%)
- Yellow (77%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (69%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9595, 75.9723, 48.8010 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 45.9595, 75.9723, 48.8010 by changing the saturation by 10% instead.


 45.9595, 75.9723,
48.8010


 45.9595, 75.9723,
48.8010


361.3645,
481.2529, 398.5583


 32.4184, 56.4098,
34.0972


 83.3866, 127.6878,
89.7737


 21.8383, 40.5316,
22.6903


 108.0033,
160.6095, 116.8797

 13.8541, 27.9532,
14.1618


 137.0425,
198.7531, 148.9569

 8.1003, 18.2904,
8.0933

 170.8697,
242.5029, 186.4236

 4.2115, 11.1587,
4.0661

209.8501,
292.2435, 229.6986

 1.8225, 6.1737,
1.6617

254.3491,

 0.5312, 2.9510,

348.3590, 279.2004

0.3343

304.7321,
411.2340, 335.3474

■ 0.0000, 1.1062,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.9595, 75.9723,
48.8010

■ 45.9595, 75.9723,
48.8010

■ 43.1086, 74.6321,
42.8157

■ 49.7406, 77.7785,
55.4391

■ 41.0842, 73.7050,
37.4570

■ 54.5367, 80.0942,
62.7469

■ 39.7374, 73.1146,
32.7010

■ 60.4245, 82.9585,
70.7453

■ 39.6235, 73.0654,
32.2649

■ 67.4722, 86.4063,
79.4531

■ 75.7426, 90.4696,
88.8882

■ 85.2936, 95.1779,
99.0678

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.



54.6270, 75.9723, 26.6513



45.9595, 75.9723, 48.8010



43.8248, 75.9723, 91.7328

Triad

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



45.9595, 75.9723, 48.8010



75.2911, 75.9723, 218.9845



103.0286, 75.9723, 38.9470

Complementary

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



45.9595, 75.9723, 48.8010



51.0115, 29.6426, 39.5929

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.



110.7813, 75.9723, 74.3194



45.9595, 75.9723, 48.8010



93.2096, 75.9723, 187.8689

Square

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



45.9595, 75.9723, 48.8010



59.1146, 75.9723, 203.3109



106.9282, 75.9723, 129.5548



87.1078, 75.9723, 22.7668

Rectangle

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



45.9595, 75.9723, 48.8010



46.0422, 75.9723, 130.4824



106.9282, 75.9723, 129.5548



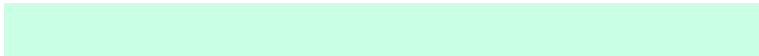
106.7831, 75.9723, 48.3199

Sweetspot

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



45.9601, 75.9726, 48.8023



74.0034, 89.6139, 86.9596



53.1082, 80.3003, 20.0983



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.



45.9601, 75.9726, 48.8023



42.2099, 74.2167, 40.6079



57.0348, 80.4024, 107.1209



18.1504, 20.3197, 21.0949



20.7795, 38.2084, 17.2559



2.0783, 3.7423, 1.9704

Inverse Universe

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



51.0115, 29.6426, 39.5929



47.5554, 25.1888, 30.8623



45.4477, 27.4171, 10.2946



18.3882, 18.1386, 20.6613



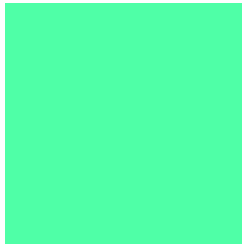
23.6429, 11.9464, 12.0357



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 45.9595, 75.9723, 48.8010 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 45.9595, 75.9723, 48.8010 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

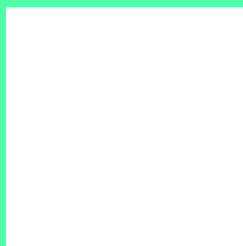
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9595, 75.9723, 48.8010

Background



This preview shows how black text looks on a background with the XYZ color 45.9595, 75.9723, 48.8010.

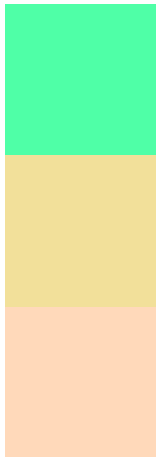


This preview shows how white text looks on a background with the XYZ color 45.9595, 75.9723,

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

45.9595, 75.9723, 48.8010

Protanopia

69.1063, 74.5216, 41.3137

Deuteranopia

74.9158, 74.4309, 56.8725



Tritanopia

61.1292, 75.2489, 105.9104

Trichromacy



Original Color

45.9595, 75.9723, 48.8010



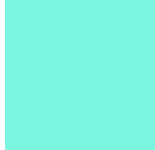
Protanomaly

55.4948, 71.9871, 43.7709



Deuteranomaly

58.1985, 71.4829, 53.3780



Tritanomaly

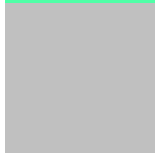
54.1401, 74.8435, 81.4048

Monochromacy



Original Color

45.9595, 75.9723, 48.8010



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

45.6102, 58.5991, 53.7066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9595, 75.9723, 48.8010 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(79, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(79, 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(79, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 255, 167) }
```

Border

The CSS property to change the border of an element to XYZ 45.9595, 75.9723, 48.8010 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(79, 255, 167) }
```


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

```
.border{ border-color:rgb(79, 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(79, 255, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(79, 255,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9595, 75.9723, 48.8010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 255, 167) }
```

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

```
.background{ background-color: rgb(79, 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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