

Converting Colors

XYZ(45.7559, 76.0399, 40.9946)

Have a look what the booklet for
XYZ(45.7559, 76.0399, 40.9946)
contains.

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Color

**XYZ(45.7792, 76.0492,
41.1203)**

Conversions

Conversions Part 1

Format	Color
Hex	5DFF96
RGB	93, 255, 150
RGB Percent	36%, 100%, 59%
CMY	0.6353, 0.0000, 0.4118
CMYK	0.64, 0.00, 0.41, 0.00
HSL	141°, 100%, 68%
HSV	141°, 64%, 100%
XYZ	45.7792, 76.0492, 41.1203
YIQ	194.5920, -62.8470, -66.9990

Conversions

Conversions Part 2

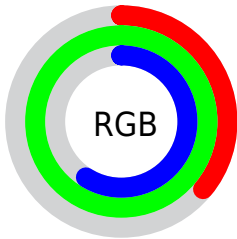
Format	Color
RYB	93, 213, 255
Decimal	6160278
CIELab	89.88, -64.45, 37.99
CIELCh	90, 74.818, 149.484
Yxy	76.0492, 0.2809, 0.4667
Android (android.graphics.Color)	4284350358 (0xFF5DFF96)
YUV	194.5920, -21.9839, -89.0962
Hunter-Lab	87.2062, -58.9066, 33.0873

Details

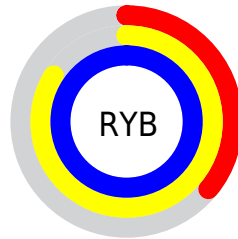
The XYZ color **45.7792, 76.0492, 41.1203** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **55.3475, 33.1662, 56.9101**, and the grayscale version is **51.7824, 54.4791, 59.3277**.

A 20% lighter version of the original color is **60.6841, 83.0959, 70.5983**, and **22.1709, 40.8143, 18.2647** is the 20% darker color. If you saturate the color by 10%, you get **42.3759, 74.4377, 34.4974**, and if you desaturate by 10%, it is **50.2313, 78.1795, 48.7747**.

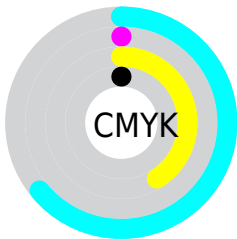
Distribution



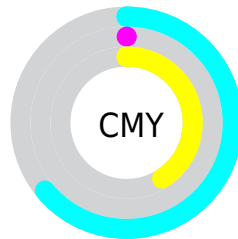
- Red (36%)
- Green (100%)
- Blue (59%)



- Red (36%)
- Yellow (84%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (64%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7792, 76.0492, 41.1203 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 45.7792, 76.0492, 41.1203 by changing the saturation by 10% instead.


 45.7792, 76.0492,
41.1203


 45.7792, 76.0492,
41.1203


360.6511,
481.5161, 366.5147


 32.2755, 56.4729,
28.0927


 83.1183, 127.7965,
78.1221


 21.7286, 40.5822,
18.1559


 107.6845,
160.7361, 102.9334

 13.7731, 27.9927,
10.8914


 136.6689,
198.8991, 132.5097

 8.0437, 18.3202,
5.8806

 170.4368,
242.6696, 167.2695

 4.1749, 11.1801,
2.7050

209.3536,
292.4322, 207.6314

 1.8016, 6.1881,
0.9459


253.7847,

 0.5186, 2.9598,


348.5712, 254.0138


0.0000


304.0954,
411.4711, 306.8354


 0.0000, 1.1108,
0.0000


 0.0000, 0.0000,
0.0000


 45.7792, 76.0492,
41.1203


 45.7792, 76.0492,
41.1203


 42.3759, 74.4377,
34.4974


 50.2313, 78.1795,
48.7747


 39.9227, 73.2954,
28.8568

 55.8152, 80.8708,
57.4992

 38.3030, 72.5629,
24.1508

 62.6070, 84.1614,
67.3350

 37.5938, 72.2535,
21.5765

 70.6755, 88.0861,
78.3197

■ 80.0840, 92.6768,
90.4894

■ 90.8919, 97.9632,
103.8783

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.



56.1599, 76.0492, 22.0382



45.7792, 76.0492, 41.1203



42.2440, 76.0492, 81.8911

Triad

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



45.7792, 76.0492, 41.1203



71.9628, 76.0492, 232.0300



107.8534, 76.0492, 42.1243

Complementary

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



45.7792, 76.0492, 41.1203



55.3475, 33.1662, 56.9101

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.



113.9753, 76.0492, 83.7250



45.7792, 76.0492, 41.1203



91.2285, 76.0492, 206.8057

Square

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



45.7792, 76.0492, 41.1203



55.6925, 76.0492, 205.1224



107.4358, 76.0492, 146.0056



91.8777, 76.0492, 22.4198

Rectangle

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



45.7792, 76.0492, 41.1203



43.6820, 76.0492, 121.6157



107.4358, 76.0492, 146.0056



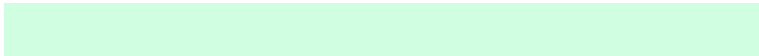
111.2416, 76.0492, 53.2775

Sweetspot

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



45.7797, 76.0494, 41.1215



74.7666, 90.0807, 83.6820



61.1039, 84.3570, 23.4184



15.4431, 19.0079, 17.1804



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.



45.7797, 76.0494, 41.1215



41.6853, 74.1139, 33.0137



54.6559, 79.5999, 87.8632



18.0355, 20.2737, 20.4899



19.7073, 37.7795, 11.6100



1.9683, 3.6983, 1.3911

Inverse Universe

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



55.3475, 33.1662, 56.9101



51.8687, 28.1986, 49.6158



48.3832, 30.3805, 20.2367



18.5053, 18.1854, 21.2782



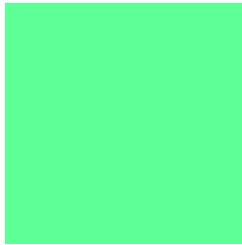
25.1841, 12.5629, 20.1519



2.5040, 1.2440, 2.2352

Previews

White Background



This preview shows how the XYZ color 45.7792, 76.0492, 41.1203 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 45.7792, 76.0492, 41.1203 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 45.7792, 76.0492, 41.1203

Background



This preview shows how black text looks on a background with the XYZ color 45.7792, 76.0492, 41.1203.

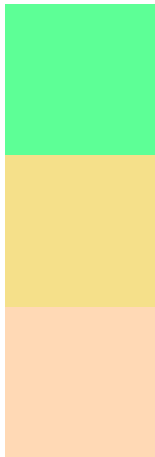


This preview shows how white text looks on a background with the XYZ color 45.7792, 76.0492,

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

45.7792, 76.0492, 41.1203

Protanopia

68.8993, 74.5588, 34.8047

Deuteranopia

74.3933, 74.2219, 54.1214



Tritanopia

61.6790, 75.5323, 105.9361

Trichromacy



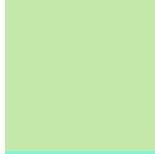
Original Color

45.7792, 76.0492, 41.1203



Protanomaly

55.8260, 72.3168, 36.6074



Deuteranomaly

58.5966, 71.7899, 48.7987



Tritanomaly

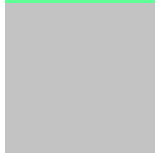
54.3827, 75.0604, 77.2675

Monochromacy



Original Color

45.7792, 76.0492, 41.1203



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

47.0501, 60.1495, 51.7780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7792, 76.0492, 41.1203 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(93, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(93, 255, 150)  
}
```

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(93, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 255, 150) }
```

Border

The CSS property to change the border of an element to XYZ 45.7792, 76.0492, 41.1203 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(93, 255, 150) }
```


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

```
.border{ border-color:rgb(93, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(93, 255,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7792, 76.0492, 41.1203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 255, 150) }
```

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

```
.background{ background-color: rgb(93, 255,  
150) }
```

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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