

Converting Colors

XYZ(45.4253, 76.0531, 32.6820)

Have a look what the booklet for
XYZ(45.4253, 76.0531, 32.6820)
contains.

XYZ(45.4820, 76.0818, 32.7102)	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(45.4820, 76.0818,
32.7102)**

Conversions

Conversions Part 1

Format	Color
Hex	69FF80
RGB	105, 255, 128
RGB Percent	41%, 100%, 50%
CMY	0.5882, 0.0000, 0.4980
CMYK	0.59, 0.00, 0.50, 0.00
HSL	129°, 100%, 71%
HSV	129°, 59%, 100%
XYZ	45.4820, 76.0818, 32.7102
YIQ	195.6720, -48.6330, -71.2970

Conversions

Conversions Part 2

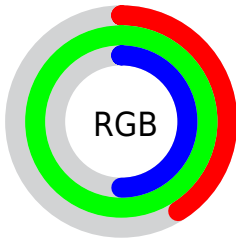
Format	Color
RYB	105, 235, 255
Decimal	6946688
CIELab	89.90, -65.37, 48.63
CIELCh	90, 81.476, 143.352
Yxy	76.0818, 0.2948, 0.4932
Android (android.graphics.Color)	4285136768 (0xFF69FF80)
YUV	195.6720, -33.3623, -79.5193
Hunter-Lab	87.2249, -59.5676, 38.8231

Details

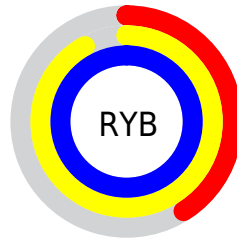
The XYZ color **45.4820, 76.0818, 32.7102** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **60.8569, 37.1895, 80.3131**, and the grayscale version is **52.4872, 55.2206, 60.1352**.

A 20% lighter version of the original color is **60.4557, 83.2637, 57.6849**, and **21.5455, 40.5999, 13.3576** is the 20% darker color. If you saturate the color by 10%, you get **41.6494, 74.2531, 25.8859**, and if you desaturate by 10%, it is **50.5153, 78.4945, 41.1712**.

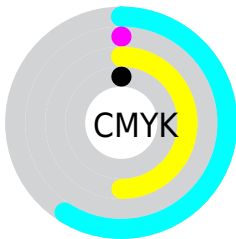
Distribution



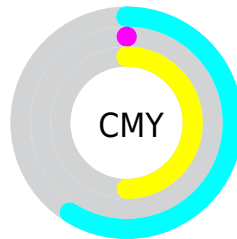
- Red (41%)
- Green (100%)
- Blue (50%)



- Red (41%)
- Yellow (92%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4820, 76.0818, 32.7102 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 45.4820, 76.0818, 32.7102 by changing the saturation by 10% instead.


 45.4820, 76.0818,
32.7102

 45.4820, 76.0818,
32.7102


359.4731,
481.6277, 328.9337


 32.0401, 56.4996,
21.6352


 82.6759, 127.8425,
65.0336

 21.5479, 40.6036,
13.3934


 107.1586,
160.7898, 87.1191

 13.6398, 28.0095,
7.5661


 136.0523,
198.9610, 113.7119

 7.9506, 18.3328,
3.7348

169.7223,
242.7403, 145.2305

 4.1149, 11.1892,
1.4810

208.5341,
292.5122, 182.0934

 1.7673, 6.1942,
0.2037


252.8529,


 0.4979, 2.9635,


348.6612, 224.7193


0.0000


303.0441,
411.5715, 273.5265


 0.0000, 1.1127,
0.0000


 0.0000, 0.0000,
0.0000


 45.4820, 76.0818,
32.7102


 45.4820, 76.0818,
32.7102

 41.6494, 74.2531,
25.8859


 50.5153, 78.4945,
41.1712


 38.9141, 72.9574,
20.5890


 56.8387, 81.5353,
51.3616


 37.1565, 72.1355,
16.7023

 64.5341, 85.2446,
63.3716

 36.2092, 71.7040,
14.0892

 73.6764, 89.6592,
77.2837

 36.1279, 71.6672,
13.8575

 84.3350, 94.8131,
93.1758

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.



58.0248, 76.0818, 17.0402



45.4820, 76.0818, 32.7102



40.2668, 76.0818, 70.6527

Triad

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



45.4820, 76.0818, 32.7102



67.9224, 76.0818, 249.0352



114.0094, 76.0818, 46.1986

Complementary

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



45.4820, 76.0818, 32.7102



60.8569, 37.1895, 80.3131

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.



117.9990, 76.0818, 96.3542



45.4820, 76.0818, 32.7102



88.7741, 76.0818, 232.0674

Square

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



45.4820, 76.0818, 32.7102



51.5747, 76.0818, 207.4763



108.0437, 76.0818, 168.2350



97.9777, 76.0818, 21.9172

Rectangle

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



45.4820, 76.0818, 32.7102



40.8013, 76.0818, 111.1803



108.0437, 76.0818, 168.2350



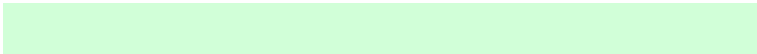
116.9125, 76.0818, 59.7783

Sweetspot

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



45.4824, 76.0819, 32.7114



74.4954, 90.0549, 78.5158



71.7512, 89.7796, 26.9125



15.3351, 18.9807, 15.8860



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.



45.4824, 76.0819, 32.7114



40.9643, 73.9275, 24.6065



52.3059, 78.8114, 68.6436



17.8851, 20.2136, 19.6979



18.9112, 37.4611, 7.4178



1.8729, 3.6601, 0.8885

Inverse Universe

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



60.8569, 37.1895, 80.3131



57.5832, 31.7100, 75.9297



52.4204, 33.8149, 35.8870



18.6659, 18.2497, 22.1238



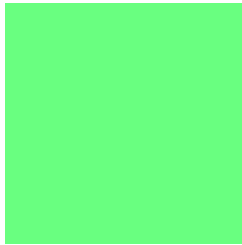
28.0634, 13.7147, 35.3142



2.7634, 1.3477, 3.6013

Previews

White Background



This preview shows how the XYZ color 45.4820, 76.0818, 32.7102 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 45.4820, 76.0818, 32.7102 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

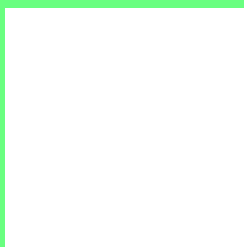
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4820, 76.0818, 32.7102

Background



This preview shows how black text looks on a background with the XYZ color 45.4820, 76.0818, 32.7102.

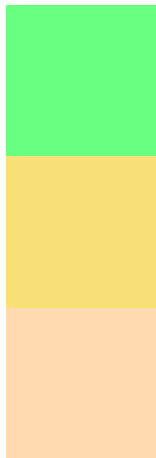


This preview shows how white text looks on a background with the XYZ color 45.4820, 76.0818,

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

45.4820, 76.0818, 32.7102

Protanopia

68.2243, 74.3698, 27.5886

Deuteranopia

74.1479, 74.5374, 51.5534



Tritanopia

62.1421, 75.3376, 105.8741

Trichromacy



Original Color

45.4820, 76.0818, 32.7102



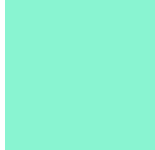
Protanomaly

55.6652, 72.3992, 29.1297



Deuteranomaly

58.6533, 71.9344, 43.5943



Tritanomaly

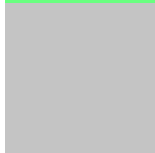
54.1758, 74.6232, 71.8699

Monochromacy



Original Color

45.4820, 76.0818, 32.7102



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.2678, 60.3525, 47.6860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4820, 76.0818, 32.7102 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(105, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 128)  
}
```

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(105, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 128) }
```

Border

The CSS property to change the border of an element to XYZ 45.4820, 76.0818, 32.7102 is called "border". The border property can be set on classes, ids or directly on the HTML element.

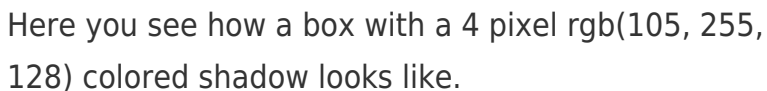
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 255, 128) }
```


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

```
.border{ border-color:rgb(105, 255, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4820, 76.0818, 32.7102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 128) }
```

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

```
.background{ background-color: rgb(105,  
255, 128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor