

Converting Colors

XYZ(45.5945, 76.2257, 28.8330)

Have a look what the booklet for
XYZ(45.5945, 76.2257, 28.8330)
contains.

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Color

**XYZ(45.5945, 76.2257,
28.8330)**

Conversions

Conversions Part 1

Format	Color
Hex	70FF74
RGB	112, 255, 116
RGB Percent	44%, 100%, 45%
CMY	0.5608, 0.0000, 0.5451
CMYK	0.56, 0.00, 0.55, 0.00
HSL	122°, 100%, 72%
HSV	122°, 56%, 100%
XYZ	45.5945, 76.2257, 28.8330
YIQ	196.3970, -40.6090, -73.5450

Conversions

Conversions Part 2

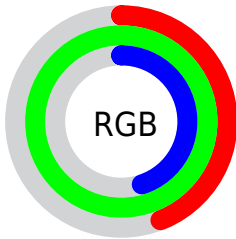
Format	Color
RYB	112, 251, 255
Decimal	7405428
CIELab	89.96, -65.34, 54.26
CIELCh	90, 84.931, 140.288
Yxy	76.2257, 0.3026, 0.5060
Android (android.graphics.Color)	4285595508 (0xFF70FF74)
YUV	196.3970, -39.6357, -74.0162
Hunter-Lab	87.3073, -59.5698, 41.5348

Details

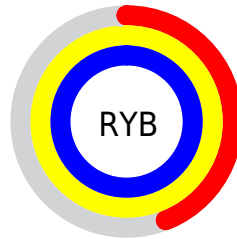
The XYZ color **45.5945, 76.2257, 28.8330** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **64.4464, 39.8134, 95.5523**, and the grayscale version is **52.9561, 55.7139, 60.6725**.

A 20% lighter version of the original color is **60.5662, 83.4589, 51.4451**, and **21.5987, 40.6736, 11.2699** is the 20% darker color. If you saturate the color by 10%, you get **41.5418, 74.2814, 22.0952**, and if you desaturate by 10%, it is **50.9510, 78.7977, 37.6416**.

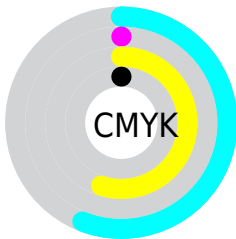
Distribution



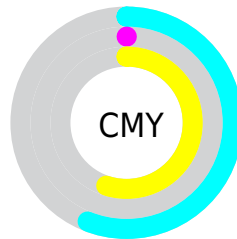
- Red (44%)
- Green (100%)
- Blue (45%)



- Red (44%)
- Yellow (98%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5945, 76.2257, 28.8330 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 45.5945, 76.2257, 28.8330 by changing the saturation by 10% instead.


 45.5945, 76.2257,
28.8330


 45.5945, 76.2257,
28.8330


359.9193,
482.1200, 310.4624


 32.1292, 56.6176,
18.7100


 82.8434, 128.0459,
58.8507

 21.6162, 40.6983,
11.2863


 107.3577,
161.0268, 79.5824

 13.6902, 28.0834,
6.1431


 136.2858,
199.2340, 104.6876

 7.9858, 18.3886,
2.8621

169.9929,
243.0521, 134.5846

 4.1376, 11.2293,
1.0247

208.8445,
292.8653, 169.6921

 1.7803, 6.2213,
0.0000


253.2058,


 0.5057, 2.9801,


349.0581, 210.4285


0.0000


303.4423,
412.0149, 257.2124


 0.0000, 1.1214,
0.0000


 0.0000, 0.0000,
0.0000


 45.5945, 76.2257,
28.8330


 45.5945, 76.2257,
28.8330

 41.5418, 74.2814,
22.0952


 50.9510, 78.7977,
37.6416


 38.6807, 72.9106,
17.2557


 57.7086, 82.0443,
48.6676


 36.8819, 72.0508,
14.1207

 65.9566, 86.0087,
62.0483

 35.9853, 71.6246,
12.4529

 75.7767, 90.7302,
77.9091

 35.7991, 71.5356,
12.1259

 87.2445, 96.2455,
96.3663

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.



59.3202, 76.2257, 14.8874



45.5945, 76.2257, 28.8330



39.4685, 76.2257, 64.9622

Triad

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



45.5945, 76.2257, 28.8330



65.8440, 76.2257, 257.3505



117.3555, 76.2257, 48.9832

Complementary

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



45.5945, 76.2257, 28.8330



64.4464, 39.8134, 95.5523

Split Complementary

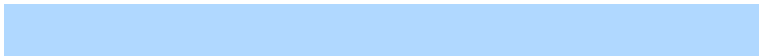
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



120.0352, 76.2257, 104.0938



45.5945, 76.2257, 28.8330



87.3875, 76.2257, 245.7855

Square

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



45.5945, 76.2257, 28.8330



49.5737, 76.2257, 207.6784



108.2009, 76.2257, 181.0931



101.4628, 76.2257, 22.0013

Rectangle

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



45.5945, 76.2257, 28.8330



39.5156, 76.2257, 105.4339



108.2009, 76.2257, 181.0931



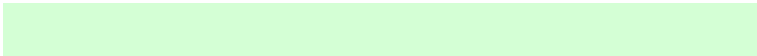
119.9363, 76.2257, 63.9926

Sweetspot

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



45.5948, 76.2259, 28.8342



74.8035, 90.2623, 76.3398



79.0533, 93.5006, 29.2104



15.5674, 19.1065, 15.6242



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.



45.5948, 76.2259, 28.8342



41.2299, 74.1319, 21.5722



51.2928, 78.5050, 58.8392



17.7922, 20.1764, 19.2086



18.7147, 37.3825, 6.3829



1.8291, 3.6426, 0.6579

Inverse Universe

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



64.4464, 39.8134, 95.5523



61.7114, 34.5397, 94.0355



55.3868, 36.1896, 47.8452



18.7694, 18.2911, 22.6689



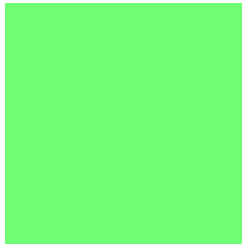
30.4007, 14.6496, 47.6219



2.9667, 1.4290, 4.6719

Previews

White Background



This preview shows how the XYZ color 45.5945, 76.2257, 28.8330 looks on a white background.

Color Contrast Check

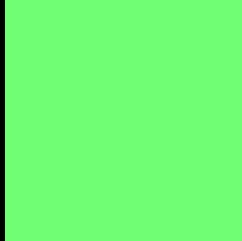
Large Text (above 18pt) WCAG AA × Fail

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 45.5945, 76.2257, 28.8330 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

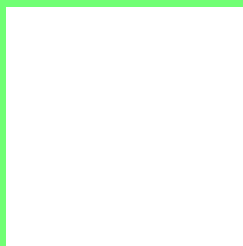
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5945, 76.2257, 28.8330

Background



This preview shows how black text looks on a background with the XYZ color 45.5945, 76.2257, 28.8330.

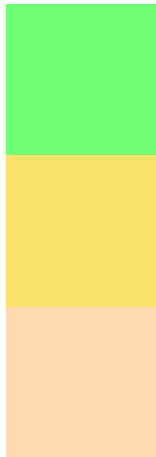


This preview shows how white text looks on a background with the XYZ color 45.5945, 76.2257,

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

45.5945, 76.2257, 28.8330

Protanopia

68.5937, 75.0308, 24.5028

Deuteranopia

74.0493, 74.4980, 51.0342



Tritanopia

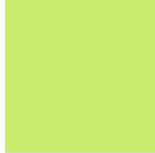
62.7251, 75.6382, 105.9014

Trichromacy



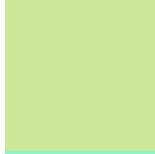
Original Color

45.5945, 76.2257, 28.8330



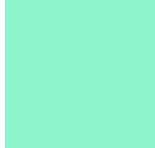
Protanomaly

56.3631, 73.2588, 25.9216



Deuteranomaly

59.0373, 72.1814, 41.3927



Tritanomaly

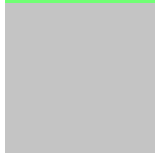
54.2343, 74.7237, 68.6914

Monochromacy



Original Color

45.5945, 76.2257, 28.8330



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.3050, 60.4151, 45.7273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5945, 76.2257, 28.8330 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(112, 255, 116)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 116)  
}
```

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(112, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 116) }
```

Border

The CSS property to change the border of an element to XYZ 45.5945, 76.2257, 28.8330 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(112, 255, 116) }
```


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

```
.border{ border-color:rgb(112, 255, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 255, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 255, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 255, 116); box-shadow:4px 4px 4px 4px rgb(112, 255, 116) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5945, 76.2257, 28.8330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 116) }
```

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

```
.background{ background-color: rgb(112,  
255, 116) }
```

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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