

Converting Colors

XYZ(45.1870, 76.3108, 15.4775)

Have a look what the booklet for
XYZ(45.1870, 76.3108, 15.4775)
contains.

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Color

**XYZ(45.2596, 76.3482,
15.4832)**

Conversions

Conversions Part 1

Format	Color
Hex	80FF33
RGB	128, 255, 51
RGB Percent	50%, 100%, 20%
CMY	0.4980, 0.0000, 0.8000
CMYK	0.50, 0.00, 0.80, 0.00
HSL	97°, 100%, 60%
HSV	97°, 80%, 100%
XYZ	45.2596, 76.3482, 15.4832
YIQ	193.7710, -10.2080, -90.3680

Conversions

Conversions Part 2

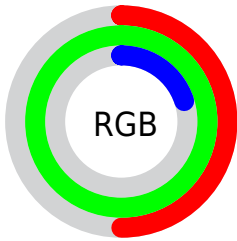
Format	Color
RYB	51, 255, 178
Decimal	8453939
CIELab	90.02, -66.54, 78.40
CIELCh	90, 102.833, 130.321
Yxy	76.3482, 0.3301, 0.5569
Android (android.graphics.Color)	4286644019 (0xFF80FF33)
YUV	193.7710, -70.3861, -57.6812
Hunter-Lab	87.3775, -60.4515, 50.6581

Details

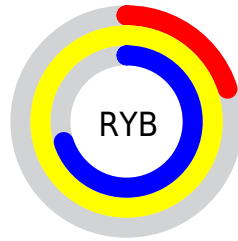
The XYZ color **45.2596, 76.3482, 15.4832** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **37.5967, 19.0547, 96.3041**, and the grayscale version is **51.5506, 54.2353, 59.0622**.

A 20% lighter version of the original color is **60.0325, 83.6821, 28.9078**, and **21.7699, 40.8623, 6.7398** is the 20% darker color. If you saturate the color by 10%, you get **42.6389, 75.0453, 13.1867**, and if you desaturate by 10%, it is **48.5621, 77.9670, 19.4204**.

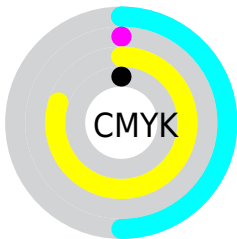
Distribution



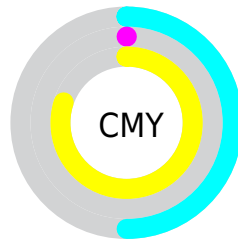
- Red (50%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (70%)



- Cyan (50%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2596, 76.3482, 15.4832 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 45.2596, 76.3482, 15.4832 by changing the saturation by 10% instead.


 45.2596, 76.3482,
15.4832

 45.2596, 76.3482,
15.4832


358.5900,
482.5388, 238.0132

 31.8641, 56.7181,
9.0088


 82.3445, 128.2190,
36.4529

 21.4128, 40.7789,
4.6500


 106.7646,
161.2284, 51.7853


 13.5402, 28.1464,
1.9883


 135.5903,
199.4665, 70.9074

 7.8811, 18.4360,
0.5481

 169.1869,
243.3174, 94.2378

 4.0702, 11.2635,
0.0000

 207.9199,
293.1658, 122.1951

 1.7419, 6.2444,
0.0000

252.1544,

 0.4823, 2.9942,

349.3958, 155.1977

0.0000

302.2560,
412.3921, 193.6642

0.0000, 1.1287,
0.0000

0.0000, 0.0023,
0.0000

45.2596, 76.3482,
15.4832

45.2596, 76.3482,
15.4832

42.6389, 75.0453,
13.1867

48.5621, 77.9670,
19.4204

40.6101, 74.0203,
12.1473

52.6063, 79.9275,
25.2278

40.6094, 74.0199,
12.1469

57.4443, 82.2523,
33.1020

63.1231, 84.9619,
43.2136

■ 69.6852, 88.0749,
55.7157

■ 77.1701, 91.6085,
70.7478

■ 85.6148, 95.5791,
88.4387

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.



64.1390, 76.3482, 7.4019



45.2596, 76.3482, 15.4832



35.5231, 76.3482, 44.2700

Triad

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



45.2596, 76.3482, 15.4832



57.2885, 76.3482, 297.5653



132.2190, 76.3482, 60.4424

Complementary

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



45.2596, 76.3482, 15.4832



37.5967, 19.0547, 96.3041

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.



129.1571, 76.3482, 139.8910



45.2596, 76.3482, 15.4832



81.7021, 76.3482, 311.6441

Square

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



45.2596, 76.3482, 15.4832



41.2583, 76.3482, 210.9687



109.1048, 76.3482, 242.5371



116.6911, 76.3482, 21.3843

Rectangle

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



45.2596, 76.3482, 15.4832



33.7759, 76.3482, 83.9187



109.1048, 76.3482, 242.5371



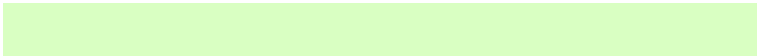
133.4038, 76.3482, 82.3467

Sweetspot

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



45.2598, 76.3483, 15.4843



74.0601, 90.1422, 64.4170



57.5212, 52.8659, 10.3055



15.2868, 19.0272, 12.6574



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.



45.2598, 76.3483, 15.4843



41.3627, 74.4019, 12.4739



38.3892, 72.7294, 18.6372



18.4194, 20.5021, 19.1308



21.3714, 38.7554, 6.3542



2.1975, 3.8336, 0.6241

Inverse Universe

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



37.5967, 19.0547, 96.3041



33.1848, 15.1866, 95.7900



56.8765, 29.4094, 78.4292



18.0895, 17.9379, 22.7589



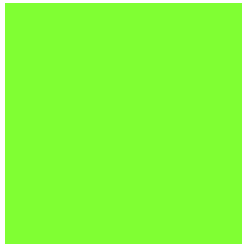
17.0487, 7.6994, 50.0222



1.7814, 0.8122, 4.8762

Previews

White Background



This preview shows how the XYZ color 45.2596, 76.3482, 15.4832 looks on a white background.

Color Contrast Check

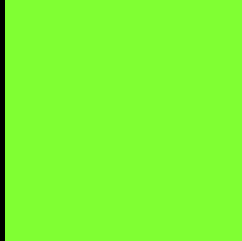
Large Text (above 18pt) WCAG AA × Fail

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 45.2596, 76.3482, 15.4832 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 45.2596, 76.3482, 15.4832

Background



This preview shows how black text looks on a background with the XYZ color 45.2596, 76.3482, 15.4832.



This preview shows how white text looks on a background with the XYZ color 45.2596, 76.3482, 15.4832.

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

45.2596, 76.3482, 15.4832

Protanopia

67.8693, 74.9075, 13.1670

Deuteranopia

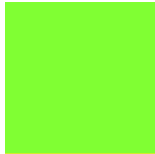
73.8272, 74.8253, 48.5818



Tritanopia

63.8512, 75.7877, 105.8709

Trichromacy



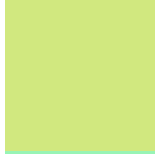
Original Color

45.2596, 76.3482, 15.4832



Protanomaly

56.5010, 73.5981, 13.8127



Deuteranomaly

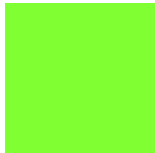
58.9819, 72.8008, 31.0220



Tritanomaly

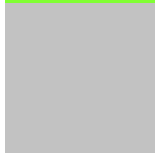
53.6401, 74.7130, 55.3100

Monochromacy



Original Color

45.2596, 76.3482, 15.4832



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

46.0159, 59.6108, 34.6719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2596, 76.3482, 15.4832 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(128, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 51)  
}
```

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(128, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 45.2596, 76.3482, 15.4832 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(128, 255, 51) }
```


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

```
.border{ border-color:rgb(128, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2596, 76.3482, 15.4832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 51) }
```

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

```
.background{ background-color: rgb(128,  
255, 51) }
```

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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