

Converting Colors

XYZ(45.3229, 76.3582, 16.5098)

Have a look what the booklet for
XYZ(45.3229, 76.3582, 16.5098)
contains.

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Color

**XYZ(45.3018, 76.3478,
16.4866)**

Conversions

Conversions Part 1

Format	Color
Hex	7FFF3B
RGB	127, 255, 59
RGB Percent	50%, 100%, 23%
CMY	0.5020, 0.0000, 0.7686
CMYK	0.50, 0.00, 0.77, 0.00
HSL	99°, 100%, 62%
HSV	99°, 77%, 100%
XYZ	45.3018, 76.3478, 16.4866
YIQ	194.3840, -13.3720, -88.0920

Conversions

Conversions Part 2

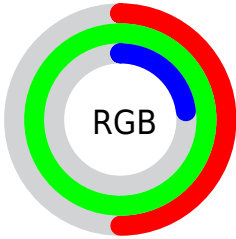
Format	Color
RYB	59, 255, 187
Decimal	8388411
CIELab	90.02, -66.42, 76.19
CIELCh	90, 101.079, 131.078
Yxy	76.3478, 0.3280, 0.5527
Android (android.graphics.Color)	4286578491 (0xFF7FFF3B)
YUV	194.3840, -66.7443, -59.0958
Hunter-Lab	87.3772, -60.3646, 49.9770

Details

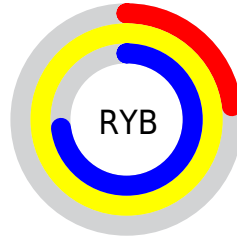
The XYZ color **45.3018, 76.3478, 16.4866** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **40.1100, 20.9147, 96.5306**, and the grayscale version is **51.8954, 54.5980, 59.4572**.

A 20% lighter version of the original color is **60.1364, 83.6949, 30.7545**, and **21.7112, 40.8320, 6.7371** is the 20% darker color. If you saturate the color by 10%, you get **42.5152, 74.9699, 13.7063**, and if you desaturate by 10%, it is **48.8214, 78.0662, 20.9874**.

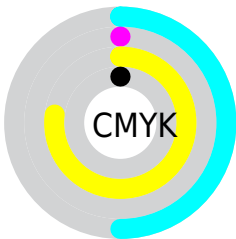
Distribution



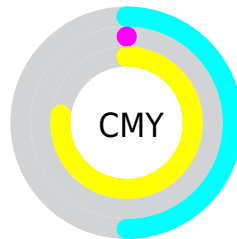
- Red (50%)
- Green (100%)
- Blue (23%)



- Red (23%)
- Yellow (100%)
- Blue (73%)



- Cyan (50%)
- Magenta (0%)
- Yellow (77%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3018, 76.3478, 16.4866 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 45.3018, 76.3478, 16.4866 by changing the saturation by 10% instead.


 45.3018, 76.3478,
16.4866


 45.3018, 76.3478,
16.4866


358.7577,
482.5374, 244.1391

 31.8975, 56.7177,
9.7111


 82.4074, 128.2184,
38.2194

 21.4384, 40.7787,
5.1047


 106.8394,
161.2278, 54.0138

 13.5591, 28.1462,
2.2490


 135.6780,
199.4657, 73.6515

 7.8943, 18.4359,
0.7024

 169.2886,
243.3166, 97.5510

 4.0786, 11.2634,
0.0000

 208.0365,
293.1648, 126.1311

 1.7467, 6.2443,
0.0000

252.2870,

 0.4852, 2.9942,

349.3947, 159.8101

0.0000

302.4057,
412.3908, 199.0066

0.0000, 1.1287,
0.0000

0.0000, 0.0023,
0.0000

45.3018, 76.3478,
16.4866

45.3018, 76.3478,
16.4866

42.5152, 74.9699,
13.7063

48.8214, 78.0662,
20.9874

40.3884, 73.9010,
12.3656

53.1336, 80.1513,
27.4245

39.8284, 73.6173,
12.1104

58.2917, 82.6262,
35.9859

64.3432, 85.5119,
46.8363

■ 71.3320, 88.8279,
60.1241

■ 79.2988, 92.5922,
75.9854

■ 88.2818, 96.8216,
94.5462

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.



63.7016, 76.3478, 7.9517



45.3018, 76.3478, 16.4866



35.8821, 76.3478, 45.9501

Triad

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



45.3018, 76.3478, 16.4866



58.0448, 76.3478, 293.7183



130.8209, 76.3478, 59.3474

Complementary

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



45.3018, 76.3478, 16.4866



40.1100, 20.9147, 96.5306

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.



128.3119, 76.3478, 136.3471



45.3018, 76.3478, 16.4866



82.2175, 76.3478, 305.1904

Square

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



45.3018, 76.3478, 16.4866



41.9842, 76.3478, 210.6581



109.0280, 76.3478, 236.4364



115.2525, 76.3478, 21.4516

Rectangle

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



45.3018, 76.3478, 16.4866



34.2846, 76.3478, 85.7519



109.0280, 76.3478, 236.4364



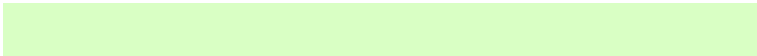
132.1418, 76.3478, 80.5617

Sweetspot

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



45.3020, 76.3479, 16.4878



74.2888, 90.2267, 65.9337



59.6735, 56.8637, 11.9695



15.3075, 19.0316, 12.9461



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.



45.3020, 76.3479, 16.4878



41.3450, 74.3842, 12.8591



39.3425, 73.1614, 21.3692



18.3658, 20.4745, 19.1283



20.9556, 38.5411, 6.3347



2.1528, 3.8105, 0.6220

Inverse Universe

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



40.1100, 20.9147, 96.5306



35.6772, 16.6891, 95.9487



56.4772, 29.8579, 74.4514



18.1451, 17.9665, 22.7615



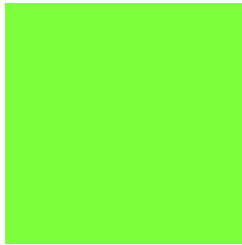
17.8749, 8.1253, 50.0608



1.8583, 0.8519, 4.8798

Previews

White Background



This preview shows how the XYZ color 45.3018, 76.3478, 16.4866 looks on a white background.

Color Contrast Check

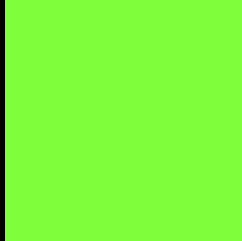
Large Text (above 18pt) WCAG AA × Fail

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 45.3018, 76.3478, 16.4866 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

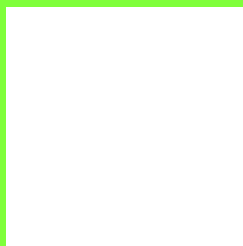
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3018, 76.3478, 16.4866

Background



This preview shows how black text looks on a background with the XYZ color 45.3018, 76.3478, 16.4866.



This preview shows how white text looks on a background with the XYZ color 45.3018, 76.3478,

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

45.3018, 76.3478, 16.4866

Protanopia

68.0308, 74.9721, 14.0174

Deuteranopia

73.8272, 74.8253, 48.5818



Tritanopia

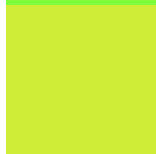
63.8512, 75.7877, 105.8709

Trichromacy



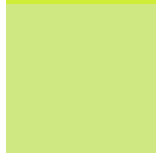
Original Color

45.3018, 76.3478, 16.4866



Protanomaly

56.3934, 73.5226, 14.7091



Deuteranomaly

58.8983, 72.7348, 32.0540



Tritanomaly

53.7649, 74.7414, 56.9402

Monochromacy



Original Color

45.3018, 76.3478, 16.4866



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

46.2443, 59.7021, 35.8744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3018, 76.3478, 16.4866 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(127, 255, 59)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 59)  
}
```

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(127, 255, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 59) }
```

Border

The CSS property to change the border of an element to XYZ 45.3018, 76.3478, 16.4866 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(127, 255, 59) }
```


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

```
.border{ border-color:rgb(127, 255, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 255, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 59);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3018, 76.3478, 16.4866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 59) }
```

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

```
.background{ background-color: rgb(127,  
255, 59) }
```

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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