

Converting Colors

XYZ(45.2858, 76.3680, 15.2016)

Have a look what the booklet for
XYZ(45.2858, 76.3680, 15.2016)
contains.

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Color

**XYZ(45.3468, 76.4005,
15.1531)**

Conversions

Conversions Part 1

Format	Color
Hex	81FF30
RGB	129, 255, 48
RGB Percent	51%, 100%, 19%
CMY	0.4941, 0.0000, 0.8117
CMYK	0.49, 0.00, 0.81, 0.00
HSL	97°, 100%, 59%
HSV	97°, 81%, 100%
XYZ	45.3468, 76.4005, 15.1531
YIQ	193.7280, -8.6490, -91.0890

Conversions

Conversions Part 2

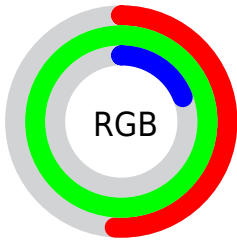
Format	Color
RYB	48, 255, 174
Decimal	8519472
CIELab	90.04, -66.39, 79.19
CIELCh	90, 103.342, 129.976
Yxy	76.4005, 0.3312, 0.5581
Android (android.graphics.Color)	4286709552 (0xFF81FF30)
YUV	193.7280, -71.8439, -56.7665
Hunter-Lab	87.4074, -60.3574, 50.9065

Details

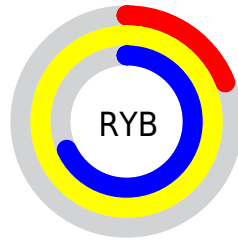
The XYZ color **45.3468, 76.4005, 15.1531** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **36.5654, 18.3347, 96.2195**, and the grayscale version is **51.5330, 54.2167, 59.0420**.

A 20% lighter version of the original color is **60.1705, 83.7662, 28.3264**, and **21.8297, 40.8932, 6.7426** is the 20% darker color. If you saturate the color by 10%, you get **42.7815, 75.1224, 13.0304**, and if you desaturate by 10%, it is **48.5727, 77.9843, 18.8850**.

Distribution



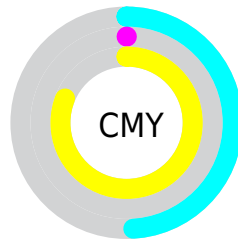
- Red (51%)
- Green (100%)
- Blue (19%)



- Red (19%)
- Yellow (100%)
- Blue (68%)



- Cyan (49%)
- Magenta (0%)
- Yellow (81%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3468, 76.4005, 15.1531 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 45.3468, 76.4005, 15.1531 by changing the saturation by 10% instead.


 45.3468, 76.4005,
15.1531


 45.3468, 76.4005,
15.1531


358.9364,
482.7176, 235.9636


 31.9331, 56.7610,
8.7791


 82.4744, 128.2929,
35.8676

 21.4657, 40.8134,
4.5025


 106.9191,
161.3145, 51.0452


 13.5792, 28.1733,
1.9049


 135.7715,
199.5657, 69.9945

 7.9083, 18.4563,
0.4958

 169.3969,
243.4307, 93.1338

 4.0877, 11.2781,
0.0000

 208.1608,
293.2940, 120.8819

 1.7519, 6.2542,
0.0000

252.4284,

 0.4884, 3.0003,

349.5400, 153.6572

0.0000

302.5652,
412.5530, 191.8783

■ 0.0000, 1.1319,
0.0000

■ 0.0000, 0.0050,
0.0000

■ 45.3468, 76.4005,
15.1531

■ 45.3468, 76.4005,
15.1531

■ 42.7815, 75.1224,
13.0304


■ 48.5727, 77.9843,
18.8850


■ 40.9906, 74.2165,
12.1648


■ 52.5189, 79.8993,
24.4612

■ 57.2374, 82.1680,
32.0819


■ 62.7745, 84.8104,
41.9203

 69.1722, 87.8450,
54.1311

 76.4696, 91.2886,
68.8552

 84.7029, 95.1571,
86.2225

 93.9062, 99.4655,
106.3540

 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.



64.4138, 76.4005, 7.2483



45.3468, 76.4005, 15.1531



35.4747, 76.4005, 43.6325

Triad

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



45.3468, 76.4005, 15.1531



57.0235, 76.4005, 298.5545



132.7273, 76.4005, 61.0655

Complementary

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



45.3468, 76.4005, 15.1531



36.5654, 18.3347, 96.2195

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.



129.4177, 76.4005, 141.4372



45.3468, 76.4005, 15.1531



81.4874, 76.4005, 313.7952

Square

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



45.3468, 76.4005, 15.1531



41.0348, 76.4005, 210.7034



109.0786, 76.4005, 244.8585



117.2761, 76.4005, 21.4883

Rectangle

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



45.3468, 76.4005, 15.1531



33.6598, 76.4005, 83.1284



109.0786, 76.4005, 244.8585



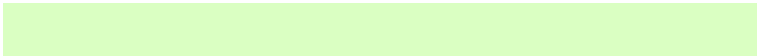
133.8437, 76.4005, 83.2459

Sweetspot

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



45.3470, 76.4006, 15.1543



74.3126, 90.2723, 64.4289



56.5652, 51.0564, 9.6711



15.3468, 19.0582, 12.6602



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.



45.3470, 76.4006, 15.1543



41.5610, 74.5057, 12.4102



38.0446, 72.5747, 17.5863



18.4438, 20.5147, 19.1320



21.5738, 38.8598, 6.3636



2.2188, 3.8446, 0.6251

Inverse Universe

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



36.5654, 18.3347, 96.2195



32.2767, 14.6774, 95.7396



57.1920, 29.3326, 80.7163



18.0643, 17.9249, 22.7577



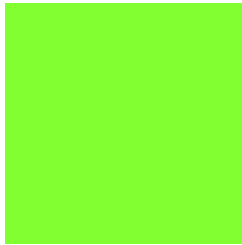
16.6898, 7.5144, 50.0054



1.7477, 0.7949, 4.8746

Previews

White Background



This preview shows how the XYZ color 45.3468, 76.4005, 15.1531 looks on a white background.

Color Contrast Check

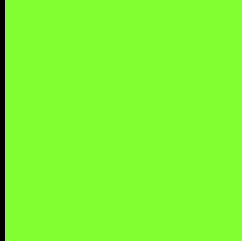
Large Text (above 18pt) WCAG AA × Fail

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 45.3468, 76.4005, 15.1531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

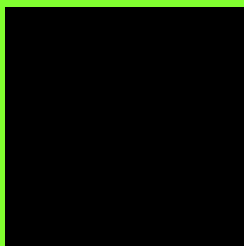
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3468, 76.4005, 15.1531

Background



This preview shows how black text looks on a background with the XYZ color 45.3468, 76.4005, 15.1531.

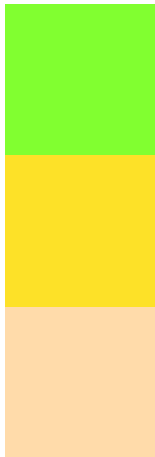


This preview shows how white text looks on a background with the XYZ color 45.3468, 76.4005,

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

45.3468, 76.4005, 15.1531

Protanopia

67.8162, 74.8863, 12.8877

Deuteranopia

73.8272, 74.8253, 48.5818



Tritanopia

64.0601, 75.8954, 105.8807

Trichromacy



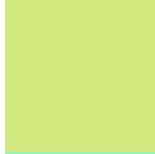
Original Color

45.3468, 76.4005, 15.1531



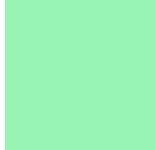
Protanomaly

56.4439, 73.5752, 13.5120



Deuteranomaly

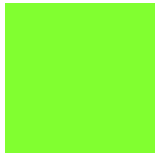
58.9170, 72.7749, 30.6804



Tritanomaly

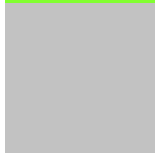
53.7258, 74.7690, 54.7802

Monochromacy



Original Color

45.3468, 76.4005, 15.1531



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

45.9411, 59.5809, 34.2782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3468, 76.4005, 15.1531 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(129, 255, 48)` looks like.

```
.text, #text, p{  
    color:rgb(129, 255, 48)  
}
```

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(129, 255, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 255, 48) }
```

Border

The CSS property to change the border of an element to XYZ 45.3468, 76.4005, 15.1531 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(129, 255, 48) }
```


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

```
.border{ border-color:rgb(129, 255, 48) }
```

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

Here you see how a box with a 4 pixel rgb(129, 255, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 255, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 255, 48);  
box-shadow:4px 4px 4px 4px rgb(129, 255,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3468, 76.4005, 15.1531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 255, 48) }
```

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

```
.background{ background-color: rgb(129,  
255, 48) }
```

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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