

Converting Colors

XYZ(45.3991, 76.4201, 15.4897)

Have a look what the booklet for
XYZ(45.3991, 76.4201, 15.4897)
contains.

XYZ(45.4108, 76.4261, 15.4903)	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(45.4108, 76.4261,
15.4903)**

Conversions

Conversions Part 1

Format	Color
Hex	81FF33
RGB	129, 255, 51
RGB Percent	51%, 100%, 20%
CMY	0.4941, 0.0000, 0.8000
CMYK	0.49, 0.00, 0.80, 0.00
HSL	97°, 100%, 60%
HSV	97°, 80%, 100%
XYZ	45.4108, 76.4261, 15.4903
YIQ	194.0700, -9.6120, -90.1560

Conversions

Conversions Part 2

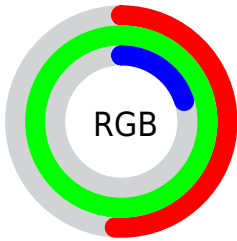
Format	Color
RYB	51, 255, 177
Decimal	8519475
CIELab	90.06, -66.26, 78.45
CIELCh	90, 102.688, 130.186
Yxy	76.4261, 0.3307, 0.5565
Android (android.graphics.Color)	4286709555 (0xFF81FF33)
YUV	194.0700, -70.5335, -57.0664
Hunter-Lab	87.4220, -60.2679, 50.6898

Details

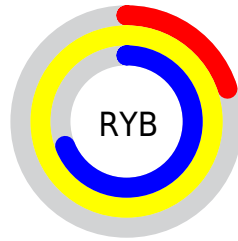
The XYZ color **45.4108, 76.4261, 15.4903** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **37.3680, 18.9368, 96.2934**, and the grayscale version is **51.7289, 54.4229, 59.2665**.

A 20% lighter version of the original color is **60.2831, 83.8113, 28.9195**, and **21.8907, 40.9246, 6.7455** is the 20% darker color. If you saturate the color by 10%, you get **42.7832, 75.1197, 13.1935**, and if you desaturate by 10%, it is **48.7155, 78.0460, 19.4276**.

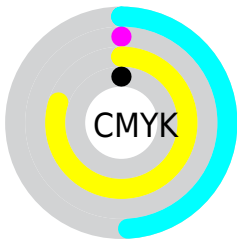
Distribution



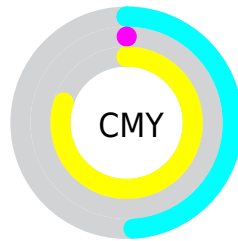
- Red (51%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (69%)



- Cyan (49%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4108, 76.4261, 15.4903 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 45.4108, 76.4261, 15.4903 by changing the saturation by 10% instead.


 45.4108, 76.4261,
15.4903


 45.4108, 76.4261,
15.4903


359.1905,
482.8051, 238.0571

 31.9838, 56.7820,
9.0138


 82.5698, 128.3290,
36.4654


 21.5046, 40.8302,
4.6532


 107.0325,
161.3567, 51.8011


 13.6079, 28.1864,
1.9901


 135.9044,
199.6142, 70.9270

 7.9283, 18.4663,
0.5492

 169.5510,
243.4861, 94.2615

 4.1005, 11.2852,
0.0000

 208.3375,
293.3568, 122.2232

 1.7592, 6.2590,
0.0000


252.6294,


 0.4929, 3.0032,

349.6105, 155.2307


0.0000


302.7919,
412.6318, 193.7025


 0.0000, 1.1334,
0.0000


 0.0000, 0.0063,
0.0000


 45.4108, 76.4261,
15.4903


 45.4108, 76.4261,
15.4903

 42.7832, 75.1197,
13.1935

 48.7155, 78.0460,
19.4276

 40.7431, 74.0889,
12.1535

 52.7564, 80.0049,
25.2349

 40.7424, 74.0885,
12.1532

 57.5857, 82.3252,
33.1087

 63.2496, 85.0271,
43.2196

■ 69.7905, 88.1291,
55.7208

■ 77.2474, 91.6484,
70.7516

■ 85.6571, 95.6009,
88.4409

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.



64.3234, 76.4261, 7.4459



45.4108, 76.4261, 15.4903



35.6338, 76.4261, 44.1649

Triad

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



45.4108, 76.4261, 15.4903



57.2787, 76.4261, 297.0665



132.2587, 76.4261, 60.8037

Complementary

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



45.4108, 76.4261, 15.4903



37.3680, 18.9368, 96.2934

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.



129.1130, 76.4261, 140.3579



45.4108, 76.4261, 15.4903



81.6458, 76.4261, 311.5213

Square

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



45.4108, 76.4261, 15.4903



41.2940, 76.4261, 210.4189



109.0276, 76.4261, 242.8391



116.8229, 76.4261, 21.5731

Rectangle

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



45.4108, 76.4261, 15.4903



33.8616, 76.4261, 83.6701



109.0276, 76.4261, 242.8391



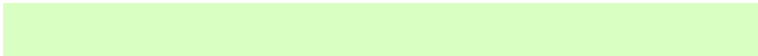
133.4120, 76.4261, 82.7616

Sweetspot

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



45.4110, 76.4262, 15.4915



74.1493, 90.1882, 64.4212



57.5212, 52.8660, 10.3056



15.3080, 19.0382, 12.6584



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.



45.4110, 76.4262, 15.4915



41.5007, 74.4730, 12.4803



38.3892, 72.7295, 18.6372



18.4280, 20.5066, 19.1312



21.4421, 38.7919, 6.3575



2.2049, 3.8375, 0.6245

Inverse Universe

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



37.3680, 18.9368, 96.2934



32.9409, 15.0609, 95.7786



56.8765, 29.4094, 78.4292



18.0806, 17.9333, 22.7585



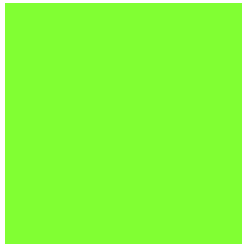
16.9205, 7.6333, 50.0162



1.7694, 0.8061, 4.8756

Previews

White Background



This preview shows how the XYZ color 45.4108, 76.4261, 15.4903 looks on a white background.

Color Contrast Check

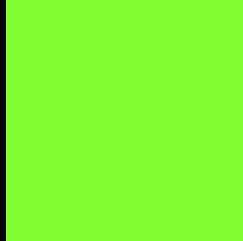
Large Text (above 18pt) WCAG AA × Fail

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 45.4108, 76.4261, 15.4903 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

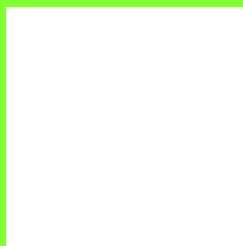
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4108, 76.4261, 15.4903

Background



This preview shows how black text looks on a background with the XYZ color 45.4108, 76.4261, 15.4903.



This preview shows how white text looks on a background with the XYZ color 45.4108, 76.4261,

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

45.4108, 76.4261, 15.4903

Protanopia

67.8693, 74.9075, 13.1670

Deuteranopia

73.8272, 74.8253, 48.5818



Tritanopia

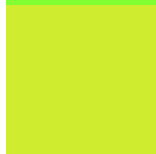
64.0601, 75.8954, 105.8807

Trichromacy



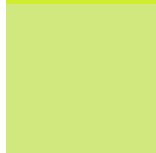
Original Color

45.4108, 76.4261, 15.4903



Protanomaly

56.5010, 73.5981, 13.8127



Deuteranomaly

58.9819, 72.8008, 31.0220



Tritanomaly

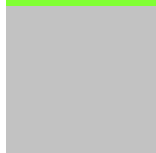
53.8280, 74.8099, 55.3188

Monochromacy



Original Color

45.4108, 76.4261, 15.4903



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 45.4108, 76.4261, 15.4903 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(129, 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(129, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 45.4108, 76.4261, 15.4903 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, 51) }
```


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

```
.border{ border-color:rgb(129, 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(129, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(129, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4108, 76.4261, 15.4903 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, 51) }
```

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

```
.background{ background-color: rgb(129,  
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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