

Converting Colors

XYZ(46.3969, 76.3034, 16.8769)

Have a look what the booklet for
XYZ(46.3969, 76.3034, 16.8769)
contains.

XYZ(46.4647, 76.4657, 16.8678)	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(46.4647, 76.4657,
16.8678)**

Conversions

Conversions Part 1

Format	Color
Hex	88FE3E
RGB	136, 254, 62
RGB Percent	53%, 100%, 24%
CMY	0.4667, 0.0039, 0.7568
CMYK	0.46, 0.00, 0.76, 0.00
HSL	97°, 99%, 62%
HSV	97°, 76%, 100%
XYZ	46.4647, 76.4657, 16.8678
YIQ	196.8300, -8.6960, -84.7280

Conversions

Conversions Part 2

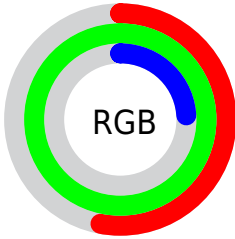
Format	Color
RYB	62, 254, 180
Decimal	8977982
CIELab	90.08, -63.34, 75.47
CIELCh	90, 98.530, 130.004
Yxy	76.4657, 0.3324, 0.5470
Android (android.graphics.Color)	4287168062 (0xFF88FE3E)
YUV	196.8300, -66.4712, -53.3479
Hunter-Lab	87.4447, -58.1802, 49.7744

Details

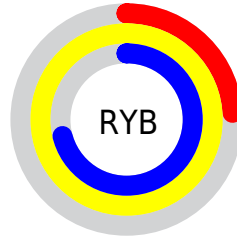
The XYZ color **46.4647, 76.4657, 16.8678** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **38.4386, 20.3070, 95.6639**, and the grayscale version is **53.3628, 56.1418, 61.1384**.

A 20% lighter version of the original color is **62.2988, 84.7955, 31.4960**, and **22.3385, 40.8194, 6.7016** is the 20% darker color. If you saturate the color by 10%, you get **43.5709, 75.0389, 13.9056**, and if you desaturate by 10%, it is **50.0568, 78.2196, 21.5641**.

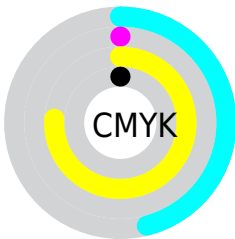
Distribution



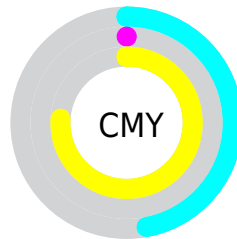
- Red (53%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (71%)



- Cyan (46%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4647, 76.4657, 16.8678 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 46.4647, 76.4657, 16.8678 by changing the saturation by 10% instead.


 46.4647, 76.4657,
16.8678

 46.4647, 76.4657,
16.8678


363.3585,
482.9404, 246.4275

 32.8189, 56.8145,
9.9793


 84.1376, 128.3850,
38.8859


 22.1463, 40.8563,
5.2798


 108.8955,
161.4218, 54.8525


 14.0816, 28.2068,
2.3508


 138.0880,
199.6893, 74.6824

 8.2595, 18.4816,
0.7595

 172.0805,
243.5718, 98.7939

 4.3147, 11.2963,
0.0000

 211.2385,
293.4538, 127.6056

 1.8816, 6.2665,
0.0000

255.9273,

 0.5661, 3.0078,

349.7197, 161.5361

0.0000

306.5121,
412.7537, 201.0039

0.0000, 1.1358,
0.0000

0.0000, 0.0083,
0.0000

46.4647, 76.4657,
16.8678

46.4647, 76.4657,
16.8678

43.5709, 75.0389,
13.9056

50.0568, 78.2196,
21.5641

41.3046, 73.9013,
12.4103

54.3969, 80.3146,
28.2016

40.4685, 73.4774,
12.0496

59.5352, 82.7749,
36.9636

65.5156, 85.6196,
48.0106

■ 72.3783, 88.8663,
61.4881

■ 80.1608, 92.5313,
77.5291

■ 88.8980, 96.6300,
96.2571

■ 94.7334, 99.3669,
108.7945

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.8176, 76.4657, 8.6136



46.4647, 76.4657, 16.8678



36.8625, 76.4657, 45.2001

Triad

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



46.4647, 76.4657, 16.8678



57.7663, 76.4657, 284.5336



129.4645, 76.4657, 62.0010

Complementary

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



46.4647, 76.4657, 16.8678



38.4386, 20.3070, 95.6639

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.



126.3770, 76.4657, 138.2701



46.4647, 76.4657, 16.8678



81.1502, 76.4657, 298.5189

Square

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



46.4647, 76.4657, 16.8678



42.3013, 76.4657, 203.1797



107.2606, 76.4657, 234.7227



114.9375, 76.4657, 23.2544

Rectangle

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



46.4647, 76.4657, 16.8678



35.0903, 76.4657, 83.2681



107.2606, 76.4657, 234.7227



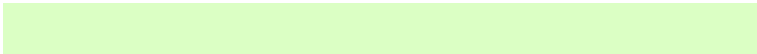
130.5172, 76.4657, 83.2482

Sweetspot

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



46.4665, 76.4690, 16.8695



74.9629, 90.5742, 65.9653



57.5075, 52.9454, 11.7470



15.4686, 19.1146, 12.9536



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.



46.4665, 76.4690, 16.8695



42.6444, 75.0513, 13.0467



38.9235, 72.5084, 19.7695



18.4334, 20.5093, 19.1315



21.4867, 38.8149, 6.3596



2.2097, 3.8399, 0.6247

Inverse Universe

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



38.4386, 20.3070, 95.6639



33.9917, 15.8916, 95.8836



57.5652, 30.5048, 81.3039



18.0750, 17.9304, 22.7582



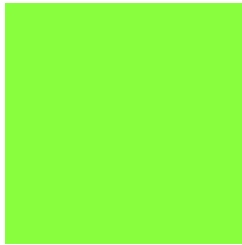
16.8412, 7.5924, 50.0124



1.7619, 0.8022, 4.8753

Previews

White Background



This preview shows how the XYZ color 46.4647, 76.4657, 16.8678 looks on a white background.

Color Contrast Check

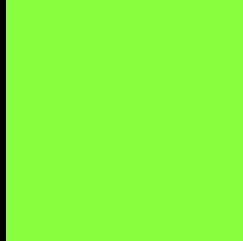
Large Text (above 18pt) WCAG AA × Fail

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 46.4647, 76.4657, 16.8678 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

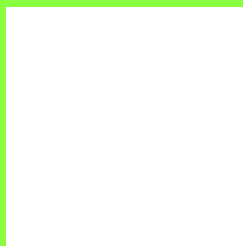
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4647, 76.4657, 16.8678

Background



This preview shows how black text looks on a background with the XYZ color 46.4647, 76.4657, 16.8678.



This preview shows how white text looks on a background with the XYZ color 46.4647, 76.4657,

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

46.4647, 76.4657, 16.8678

Protanopia

68.3940, 75.5512, 14.5925

Deuteranopia

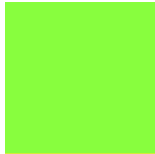
73.9222, 74.8633, 49.0820



Tritanopia

64.4076, 75.6459, 105.8142

Trichromacy



Original Color

46.4647, 76.4657, 16.8678



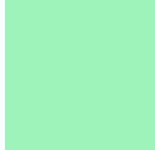
Protanomaly

57.3375, 73.9980, 15.2640



Deuteranomaly

60.1047, 73.3490, 32.4626



Tritanomaly

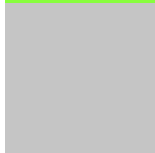
54.7122, 74.7721, 57.4478

Monochromacy



Original Color

46.4647, 76.4657, 16.8678



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.0959, 61.3949, 37.3324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4647, 76.4657, 16.8678 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(136, 254, 62)` looks like.

```
.text, #text, p{  
    color:rgb(136, 254, 62)  
}
```

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(136, 254, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 254, 62) }
```

Border

The CSS property to change the border of an element to XYZ 46.4647, 76.4657, 16.8678 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(136, 254, 62) }
```


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

```
.border{ border-color:rgb(136, 254, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 254, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 254, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 254, 62);  
box-shadow:4px 4px 4px 4px rgb(136, 254,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4647, 76.4657, 16.8678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 254, 62) }
```

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

```
.background{ background-color: rgb(136,  
254, 62) }
```

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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