

Converting Colors

XYZ(46.8085, 74.8324, 11.9770)

Have a look what the booklet for
XYZ(46.8085, 74.8324, 11.9770)
contains.

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Color

**XYZ(46.7633, 74.8552,
11.9838)**

Conversions

Conversions Part 1

Format	Color
Hex	96FA00
RGB	150, 250, 0
RGB Percent	59%, 98%, 0%
CMY	0.4118, 0.0196, 0.9999
CMYK	0.40, 0.00, 1.00, 0.02
HSL	84°, 100%, 49%
HSV	84°, 100%, 98%
XYZ	46.7633, 74.8552, 11.9838
YIQ	191.6000, 20.6500, -98.9500

Conversions

Conversions Part 2

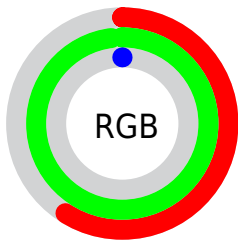
Format	Color
RYB	0, 250, 100
Decimal	9894400
CIELab	89.33, -59.26, 85.75
CIELCh	89, 104.236, 124.650
Yxy	74.8552, 0.3500, 0.5603
Android (android.graphics.Color)	4288084480 (0xFF96FA00)
YUV	191.6000, -94.4588, -36.4832
Hunter-Lab	86.5189, -54.9292, 52.3509

Details

The XYZ color **46.7633, 74.8552, 11.9838** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **22.5168, 9.6150, 91.1158**, and the grayscale version is **50.3987, 53.0234, 57.7425**.

A 20% lighter version of the original color is **64.5998, 86.1592, 23.5815**, and **23.0004, 40.1662, 6.5406** is the 20% darker color. If you saturate the color by 10%, you get **46.7621, 74.8570, 11.9842**, and if you desaturate by 10%, it is **48.8606, 75.9185, 13.0004**.

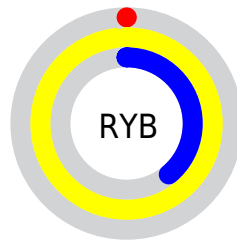
Distribution



Red (59%)

Green (98%)

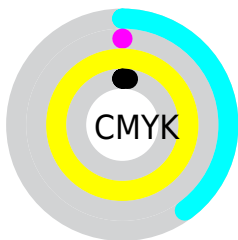
Blue (0%)



Red (0%)

Yellow (98%)

Blue (39%)

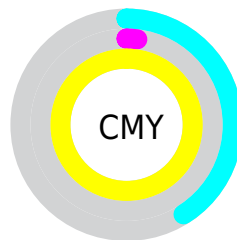


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (41%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7633, 74.8552, 11.9838 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 46.7633, 74.8552, 11.9838 by changing the saturation by 10% instead.


 46.7633, 74.8552,
11.9838


 46.7633, 74.8552,
11.9838


364.5336,
477.4197, 215.2721

 33.0557, 55.4943,
6.6102


 84.5811, 126.1074,
30.1296


 22.3286, 39.7976,
3.1448


 109.4220,
158.7674, 43.7388


 14.2165, 27.3808,
1.1691


 138.7048,
196.6293, 60.9304

 8.3541, 17.8594,
0.0000

 172.7948,
240.0773, 82.1229

 4.3761, 10.8491,
0.0000

 212.0573,
289.4960, 107.7347

 1.9170, 5.9654,
0.0000

 256.8577,

 0.5867, 2.8241,

345.2697, 138.1845

0.0000

307.5614,
407.7828, 173.8908

■ 0.0000, 1.0406,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.7633, 74.8552,
11.9838

■ 46.7633, 74.8552,
11.9838

■ 46.7621, 74.8570,
11.9842

■ 48.8606, 75.9185,
13.0004

■ 51.3421, 77.1515,
15.2077

■ 54.2823, 78.5869,
18.9714

■ 57.7265, 80.2434,
24.5126

■ 61.7135, 82.1368,
32.0167

■ 66.2772, 84.2811,
41.6459

■ 71.4485, 86.6889,
53.5454

■ 77.2556, 89.3721,
67.8477

■ 83.7248, 92.3413,
84.6750

Harmonies

Analogous

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



67.2482, 74.8552, 6.3851



46.7633, 74.8552, 11.9838



35.4136, 74.8552, 34.9716

Triad

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



46.7633, 74.8552, 11.9838



52.1606, 74.8552, 285.5129



132.0238, 74.8552, 70.6476

Complementary

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



46.7633, 74.8552, 11.9838



22.5168, 9.6150, 91.1158

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.



125.2605, 74.8552, 157.5732



46.7633, 74.8552, 11.9838



75.1950, 74.8552, 316.6899

Square

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



46.7633, 74.8552, 11.9838



37.9679, 74.8552, 190.1792



102.8067, 74.8552, 260.0644



119.5566, 74.8552, 24.9156

Rectangle

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



46.7633, 74.8552, 11.9838



32.6586, 74.8552, 69.1062



102.8067, 74.8552, 260.0644



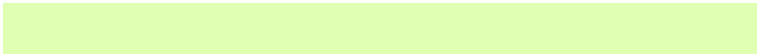
131.9451, 74.8552, 95.3037

Sweetspot

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



46.7650, 74.8585, 11.9854



74.7091, 90.6649, 55.9457



43.9859, 29.4440, 3.3660



15.4854, 19.1712, 10.7873



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.



46.7650, 74.8585, 11.9854



48.8934, 78.2905, 12.5346



34.5891, 68.5816, 11.4156



18.0163, 19.8242, 18.3393



24.9697, 39.7907, 6.3643



2.4322, 3.7470, 0.5950

Inverse Universe

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



22.5168, 9.6150, 91.1158



23.5316, 10.0459, 95.3065



48.3104, 22.9121, 92.3229



16.9402, 16.9818, 21.7703



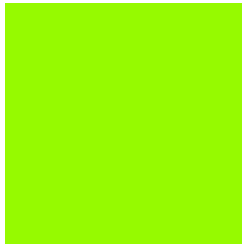
12.0932, 5.1770, 48.3354



1.2360, 0.5393, 4.4821

Previews

White Background



This preview shows how the XYZ color 46.7633, 74.8552, 11.9838 looks on a white background.

Color Contrast Check

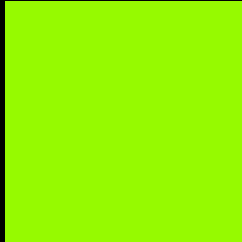
Large Text (above 18pt) WCAG AA × Fail

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 46.7633, 74.8552, 11.9838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

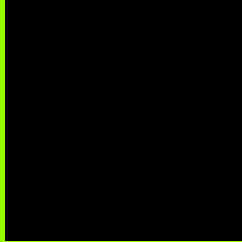
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7633, 74.8552, 11.9838

Background



This preview shows how black text looks on a background with the XYZ color 46.7633, 74.8552, 11.9838.



This preview shows how white text looks on a background with the XYZ color 46.7633, 74.8552,

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

46.7633, 74.8552, 11.9838

Protanopia

66.8005, 74.0068, 10.7640

Deuteranopia

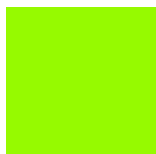
72.6637, 73.5301, 45.0133



Tritanopia

64.6293, 74.1432, 102.1715

Trichromacy



Original Color

46.7633, 74.8552, 11.9838



Protanomaly

57.1632, 72.7249, 11.0245



Deuteranomaly

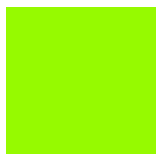
59.1333, 71.7898, 23.8369



Tritanomaly

53.3601, 72.5959, 44.4577

Monochromacy



Original Color

46.7633, 74.8552, 11.9838



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

45.4386, 58.3408, 27.2784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7633, 74.8552, 11.9838 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(150, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 250, 0)  
}
```

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(150, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 250, 0) }
```

Border

The CSS property to change the border of an element to XYZ 46.7633, 74.8552, 11.9838 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(150, 250, 0) }
```


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

```
.border{ border-color:rgb(150, 250, 0) }
```

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

Here you see how a box with a 4 pixel rgb(150, 250, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 250,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7633, 74.8552, 11.9838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 250, 0) }
```

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

```
.background{ background-color: rgb(150,  
250, 0) }
```

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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