

Converting Colors

XYZ(46.6779, 76.9164, 12.4117)

Have a look what the booklet for
XYZ(46.6779, 76.9164, 12.4117)
contains.

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Color

**XYZ(46.7500, 77.1849,
12.4629)**

Conversions

Conversions Part 1

Format	Color
Hex	8DFF01
RGB	141, 255, 1
RGB Percent	55%, 100%, 0%
CMY	0.4471, 0.0000, 0.9959
CMYK	0.45, 0.00, 1.00, 0.00
HSL	87°, 100%, 50%
HSV	87°, 100%, 100%
XYZ	46.7500, 77.1849, 12.4629
YIQ	191.9580, 13.5900, -103.1620

Conversions

Conversions Part 2

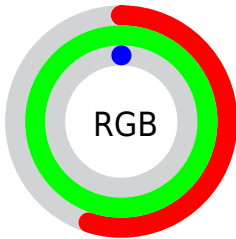
Format	Color
RYB	1, 255, 115
Decimal	9305857
CIELab	90.41, -63.96, 86.35
CIELCh	90, 107.463, 126.528
Yxy	77.1849, 0.3427, 0.5659
Android (android.graphics.Color)	4287495937 (0xFF8DFF01)
YUV	191.9580, -94.1423, -44.6902
Hunter-Lab	87.8549, -58.7614, 53.0877

Details

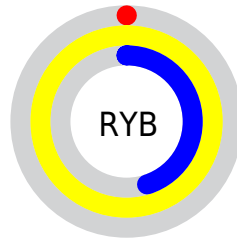
The XYZ color **46.7500, 77.1849, 12.4629** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **25.1367, 10.8901, 95.3849**, and the grayscale version is **50.6082, 53.2437, 57.9824**.

A 20% lighter version of the original color is **62.4090, 85.0247, 23.7118**, and **22.9467, 41.4690, 6.7949** is the 20% darker color. If you saturate the color by 10%, you get **46.6653, 77.1419, 12.4304**, and if you desaturate by 10%, it is **48.9851, 78.3156, 13.5438**.

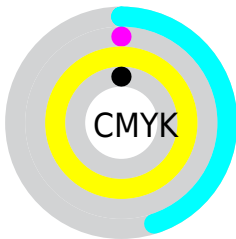
Distribution



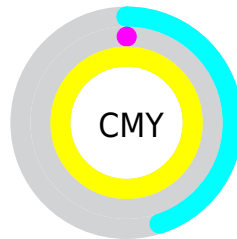
- Red (55%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (45%)



- Cyan (45%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7500, 77.1849, 12.4629 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 46.7500, 77.1849, 12.4629 by changing the saturation by 10% instead.


 46.7500, 77.1849,
12.4629

 46.7500, 77.1849,
12.4629


364.4813,
485.3942, 218.5317

 33.0452, 57.4046,
6.9334


 84.5613, 129.4005,
31.0123

 22.3205, 41.3302,
3.3427


 109.3986,
162.6045, 44.8694


 14.2105, 28.5772,
1.2722


 138.6773,
201.0520, 62.3393

 8.3499, 18.7612,
0.0388

 172.7630,
245.1273, 83.8407

 4.3733, 11.4979,
0.0000

 212.0208,
295.2148, 109.7921

 1.9154, 6.4028,
0.0000

 256.8163,

 0.5858, 3.0915,

351.6988, 140.6121

0.0000

307.5147,
414.9638, 176.7191

■ 0.0000, 1.1797,
0.0000

■ 0.0000, 0.0450,
0.0000

■ 46.7500, 77.1849,
12.4629

■ 46.7500, 77.1849,
12.4629

■ 46.6653, 77.1419,
12.4304

■ 48.9851, 78.3156,
13.5438

■ 51.6685, 79.6494,
15.9041

■ 54.8742, 81.2168,
19.9056

■ 58.6514, 83.0379,
25.7789

■ 63.0421, 85.1302,
33.7177

■ 68.0832, 87.5091,
43.8915

■ 73.8086, 90.1885,
56.4523

■ 80.2492, 93.1815,
71.5386

■ 87.4339, 96.5001,
89.2786

Harmonies

Analogous

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



67.6539, 77.1849, 6.1398



46.7500, 77.1849, 12.4629



35.4993, 77.1849, 37.8758

Triad

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



46.7500, 77.1849, 12.4629



54.6803, 77.1849, 305.3225



137.4456, 77.1849, 68.3439

Complementary

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



46.7500, 77.1849, 12.4629



25.1367, 10.8901, 95.3849

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.



131.5555, 77.1849, 157.6532



46.7500, 77.1849, 12.4629



79.3824, 77.1849, 332.7186

Square

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



46.7500, 77.1849, 12.4629



39.2369, 77.1849, 206.1550



108.5350, 77.1849, 267.3358



123.0902, 77.1849, 23.2235

Rectangle

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



46.7500, 77.1849, 12.4629



32.9894, 77.1849, 75.4118



108.5350, 77.1849, 267.3358



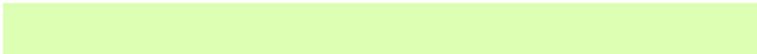
137.8102, 77.1849, 93.3051

Sweetspot

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



46.7501, 77.1850, 12.4640



73.5615, 90.0733, 55.8920



46.9398, 32.6506, 3.8580



15.2128, 19.0307, 10.7746



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.



46.7501, 77.1850, 12.4640



46.6653, 77.1419, 12.4304



36.0146, 71.6506, 11.9616



18.7287, 20.6616, 19.1453



24.5582, 40.3983, 6.5033



2.5170, 3.9983, 0.6391

Inverse Universe

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



25.1367, 10.8901, 95.3849



25.0503, 10.8288, 95.3776



53.3444, 25.4317, 96.7050



17.7773, 17.7769, 22.7443



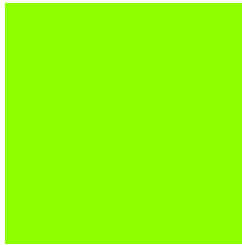
13.2555, 5.7439, 49.8446



1.4142, 0.6230, 4.8590

Previews

White Background



This preview shows how the XYZ color 46.7500, 77.1849, 12.4629 looks on a white background.

Color Contrast Check

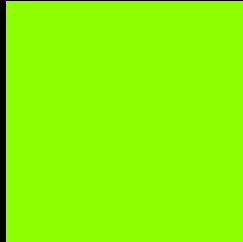
Large Text (above 18pt) WCAG AA × Fail

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 46.7500, 77.1849, 12.4629 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 46.7500, 77.1849, 12.4629

Background



This preview shows how black text looks on a background with the XYZ color 46.7500, 77.1849, 12.4629.



This preview shows how white text looks on a background with the XYZ color 46.7500, 77.1849,

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

46.7500, 77.1849, 12.4629

Protanopia

68.7091, 76.1982, 11.0864

Deuteranopia

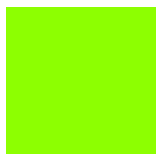
74.6393, 75.9900, 50.2688



Tritanopia

65.7897, 76.7870, 105.9616

Trichromacy



Original Color

46.7500, 77.1849, 12.4629



Protanomaly

58.0157, 74.8645, 11.3925



Deuteranomaly

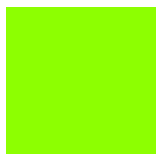
59.6849, 73.6998, 25.8316



Tritanomaly

53.8618, 75.0271, 46.2932

Monochromacy



Original Color

46.7500, 77.1849, 12.4629



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

45.1092, 58.9152, 27.7332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7500, 77.1849, 12.4629 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(141, 255, 1)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 1)  
}
```

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(141, 255, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 1) }
```

Border

The CSS property to change the border of an element to XYZ 46.7500, 77.1849, 12.4629 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(141, 255, 1) }
```


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

```
.border{ border-color:rgb(141, 255, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 255, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 1);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7500, 77.1849, 12.4629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 1) }
```

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

```
.background{ background-color: rgb(141,  
255, 1) }
```

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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