

Converting Colors

XYZ(46.5081, 77.0496, 12.9310)

Have a look what the booklet for
XYZ(46.5081, 77.0496, 12.9310)
contains.

XYZ(46.5086, 77.0494, 12.9511)	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(46.5086, 77.0494,
12.9511)**

Conversions

Conversions Part 1

Format	Color
Hex	8BFF11
RGB	139, 255, 17
RGB Percent	55%, 100%, 7%
CMY	0.4549, 0.0000, 0.9332
CMYK	0.45, 0.00, 0.93, 0.00
HSL	89°, 100%, 53%
HSV	89°, 93%, 100%
XYZ	46.5086, 77.0494, 12.9511
YIQ	193.1840, 7.2620, -98.6100

Conversions

Conversions Part 2

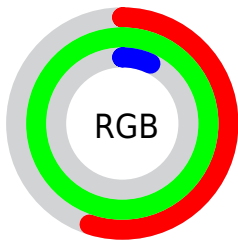
Format	Color
RYB	17, 255, 133
Decimal	9174801
CIELab	90.34, -64.38, 84.99
CIElCh	90, 106.622, 127.141
Yxy	77.0494, 0.3407, 0.5644
Android (android.graphics.Color)	4287364881 (0xFF8BFF11)
YUV	193.1840, -86.8587, -47.5194
Hunter-Lab	87.7778, -59.0338, 52.6966

Details

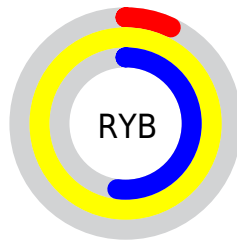
The XYZ color **46.5086, 77.0494, 12.9511** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **27.9283, 12.6107, 95.5699**, and the grayscale version is **51.2911, 53.9622, 58.7648**.

A 20% lighter version of the original color is **62.0051, 84.8006, 24.4094**, and **22.7139, 41.3490, 6.7840** is the 20% darker color. If you saturate the color by 10%, you get **45.0735, 76.3213, 12.3559**, and if you desaturate by 10%, it is **49.0298, 78.3115, 14.7719**.

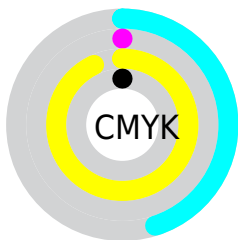
Distribution



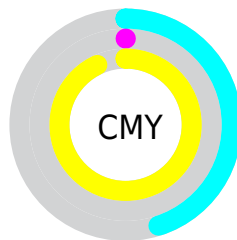
- Red (55%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (52%)



- Cyan (45%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5086, 77.0494, 12.9511 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 46.5086, 77.0494, 12.9511 by changing the saturation by 10% instead.


 46.5086, 77.0494,
12.9511

 46.5086, 77.0494,
12.9511


363.5314,
484.9324, 221.8008

 32.8537, 57.2934,
7.2646


 84.2029, 129.2092,
31.9058

 22.1731, 41.2409,
3.5471


 108.9729,
162.3818, 46.0110


 14.1014, 28.5073,
1.3804


 138.1787,
200.7955, 63.7596

 8.2734, 18.7084,
0.1263

 172.1856,
244.8345, 85.5700

 4.3237, 11.4598,
0.0000

 211.3590,
294.8833, 111.8608

 1.8868, 6.3770,
0.0000

 256.0642,

 0.5692, 3.0756,

351.3263, 143.0505

0.0000

306.6665,
414.5479, 179.5577

■ 0.0000, 1.1714,
0.0000

■ 0.0000, 0.0381,
0.0000

■ 46.5086, 77.0494,
12.9511

■ 46.5086, 77.0494,
12.9511


■ 45.0735, 76.3213,
12.3559


■ 49.0298, 78.3115,
14.7719


■ 52.0851, 79.8153,
18.1341


■ 55.7293, 81.5836,
23.2890


■ 60.0083, 83.6356,
30.4422

 64.9622, 85.9881,
39.7712

 70.6275, 88.6564,
51.4341

 77.0374, 91.6545,
65.5742

 84.2228, 94.9954,
82.3233

 92.2128, 98.6915,
101.8037

Harmonies

Analogous

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



67.0624, 77.0494, 6.3496



46.5086, 77.0494, 12.9511



35.5154, 77.0494, 38.9157

Triad

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



46.5086, 77.0494, 12.9511



55.1211, 77.0494, 303.9273



136.5435, 77.0494, 66.9835

Complementary

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



46.5086, 77.0494, 12.9511



27.9283, 12.6107, 95.5699

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.



131.1371, 77.0494, 154.5580



46.5086, 77.0494, 12.9511



79.7713, 77.0494, 329.0230

Square

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



46.5086, 77.0494, 12.9511



39.5828, 77.0494, 206.9172



108.6244, 77.0494, 263.0001



121.9906, 77.0494, 22.9220

Rectangle

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



46.5086, 77.0494, 12.9511



33.1326, 77.0494, 76.8034



108.6244, 77.0494, 263.0001



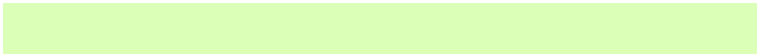
137.0483, 77.0494, 91.4075

Sweetspot

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



46.5087, 77.0495, 12.9522



73.9443, 90.2101, 58.6429



49.5992, 37.8161, 5.2165



15.2480, 19.0375, 11.2893



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.



46.5087, 77.0495, 12.9522



45.0735, 76.3213, 12.3559



36.1705, 71.7199, 12.4684



18.6594, 20.6258, 19.1421



23.7250, 39.9688, 6.4643



2.4362, 3.9566, 0.6353

Inverse Universe

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



27.9283, 12.6107, 95.5699



26.4058, 11.5276, 95.4410



58.0467, 28.1373, 96.9794



17.8460, 17.8123, 22.7475



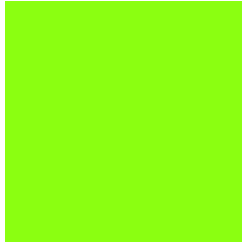
13.9686, 6.1116, 49.8780



1.4857, 0.6598, 4.8623

Previews

White Background



This preview shows how the XYZ color 46.5086, 77.0494, 12.9511 looks on a white background.

Color Contrast Check

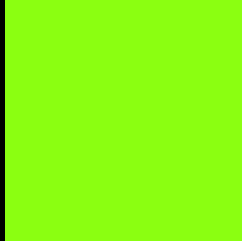
Large Text (above 18pt) WCAG AA × Fail

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 46.5086, 77.0494, 12.9511 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 46.5086, 77.0494, 12.9511

Background



This preview shows how black text looks on a background with the XYZ color 46.5086, 77.0494, 12.9511.



This preview shows how white text looks on a background with the XYZ color 46.5086, 77.0494,

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

46.5086, 77.0494, 12.9511

Protanopia

68.4364, 75.6527, 10.9955

Deuteranopia

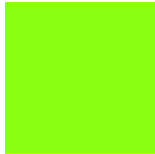
74.2796, 75.4250, 49.6732



Tritanopia

65.5678, 76.6726, 105.9512

Trichromacy



Original Color

46.5086, 77.0494, 12.9511



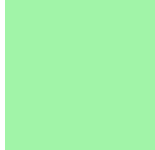
Protanomaly

57.7576, 74.7277, 11.5520



Deuteranomaly

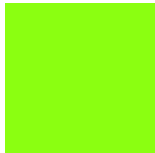
59.7319, 73.6849, 27.5974



Tritanomaly

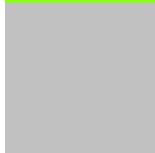
54.1165, 75.1056, 48.6904

Monochromacy



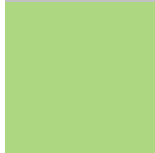
Original Color

46.5086, 77.0494, 12.9511



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

45.7519, 59.5809, 29.8578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5086, 77.0494, 12.9511 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(139, 255, 17)` looks like.

```
.text, #text, p{  
    color:rgb(139, 255, 17)  
}
```

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(139, 255, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 17) }
```

Border

The CSS property to change the border of an element to XYZ 46.5086, 77.0494, 12.9511 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(139, 255, 17) }
```


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

```
.border{ border-color:rgb(139, 255, 17) }
```

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

Here you see how a box with a 4 pixel rgb(139, 255, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 17);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5086, 77.0494, 12.9511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 255, 17) }
```

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

```
.background{ background-color: rgb(139,  
255, 17) }
```

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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