

Converting Colors

XYZ(47.2891, 75.7717, 12.1330)

Have a look what the booklet for
XYZ(47.2891, 75.7717, 12.1330)
contains.

XYZ(47.0749, 75.4784, 12.0877)	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(47.0749, 75.4784,
12.0877)**

Conversions

Conversions Part 1

Format	Color
Hex	96FB00
RGB	150, 251, 0
RGB Percent	59%, 98%, 0%
CMY	0.4118, 0.0157, 0.9998
CMYK	0.40, 0.00, 1.00, 0.02
HSL	84°, 100%, 49%
HSV	84°, 100%, 98%
XYZ	47.0749, 75.4784, 12.0877
YIQ	192.1870, 20.3750, -99.4730

Conversions

Conversions Part 2

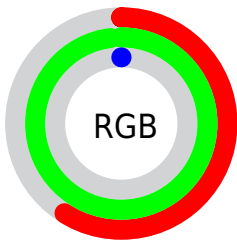
Format	Color
RYB	0, 251, 101
Decimal	9894656
CIELab	89.62, -59.65, 85.98
CIElCh	90, 104.640, 124.751
Yxy	75.4784, 0.3496, 0.5606
Android (android.graphics.Color)	4288084736 (0xFF96FB00)
YUV	192.1870, -94.7482, -36.9980
Hunter-Lab	86.8783, -55.3170, 52.5656

Details

The XYZ color **47.0749, 75.4784, 12.0877** 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 **22.7856, 9.7355, 91.9493**, and the grayscale version is **50.7451, 53.3878, 58.1393**.

A 20% lighter version of the original color is **64.5998, 86.1592, 23.5815**, and **23.2223, 40.6098, 6.6145** is the 20% darker color. If you saturate the color by 10%, you get **47.0735, 75.4801, 12.0881**, and if you desaturate by 10%, it is **49.1933, 76.5525, 13.1109**.

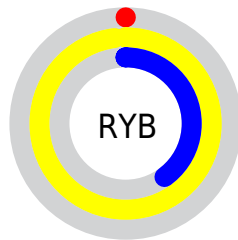
Distribution



Red (59%)

Green (98%)

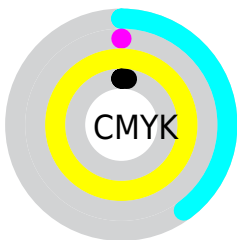
Blue (0%)



Red (0%)

Yellow (98%)

Blue (40%)

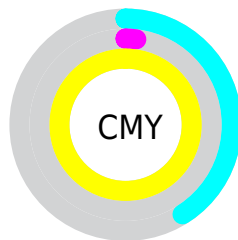


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (41%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0749, 75.4784, 12.0877 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 47.0749, 75.4784, 12.0877 by changing the saturation by 10% instead.


 47.0749, 75.4784,
12.0877

 47.0749, 75.4784,
12.0877


365.7573,
479.5603, 215.9835

 33.3031, 56.0049,
6.6802


 85.0435, 126.9893,
30.3215


 22.5191, 40.2069,
3.1875


 109.9709,
159.7955, 43.9849


 14.3575, 27.6999,
1.1912


 139.3476,
197.8148, 61.2373

 8.4531, 18.0995,
0.0000

 173.5389,
241.4315, 82.4972

 4.4405, 11.0215,
0.0000

 212.9102,
291.0300, 108.1833

 1.9542, 6.0813,
0.0000

 257.8268,

 0.6080, 2.8946,

346.9947, 138.7140

0.0000

308.6541,
409.7100, 174.5079

■ 0.0000, 1.0769,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.0749, 75.4784,
12.0877

■ 47.0749, 75.4784,
12.0877

■ 47.0735, 75.4801,
12.0881

■ 49.1933, 76.5525,
13.1109

■ 51.7014, 77.7988,
15.3365

■ 54.6742, 79.2503,
19.1331

■ 58.1577, 80.9260,
24.7238

■ 62.1911, 82.8419,
32.2961

■ 66.8087, 85.0120,
42.0137

■ 72.0417, 87.4494,
54.0232

■ 77.9188, 90.1657,
68.4585

■ 84.4664, 93.1719,
85.4430

Harmonies

Analogous

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



67.7198, 75.4784, 6.4136



47.0749, 75.4784, 12.0877



35.6541, 75.4784, 35.3539

Triad

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



47.0749, 75.4784, 12.0877



52.6403, 75.4784, 288.4617



133.1939, 75.4784, 70.9974

Complementary

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



47.0749, 75.4784, 12.0877



22.7856, 9.7355, 91.9493

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.



126.4295, 75.4784, 158.6367



47.0749, 75.4784, 12.0877



75.9162, 75.4784, 319.6589

Square

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



47.0749, 75.4784, 12.0877



38.2874, 75.4784, 192.2813



103.7941, 75.4784, 262.1974



120.5447, 75.4784, 24.9896

Rectangle

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



47.0749, 75.4784, 12.0877



32.8935, 75.4784, 69.8925



103.7941, 75.4784, 262.1974



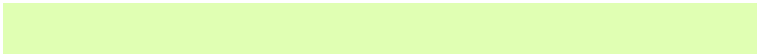
133.1374, 75.4784, 95.8363

Sweetspot

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



47.0766, 75.4817, 12.0893



74.6522, 90.6356, 55.9430



44.3838, 29.7064, 3.3957



15.4719, 19.1643, 10.7867



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.



47.0766, 75.4817, 12.0893



48.7785, 78.2313, 12.5293



34.9033, 69.2061, 11.5196



18.0121, 19.8220, 18.3391



24.9117, 39.7607, 6.3616



2.4270, 3.7443, 0.5948

Inverse Universe

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



22.7856, 9.7355, 91.9493



23.6010, 10.0817, 95.3098



48.7492, 23.1202, 93.1643



16.9443, 16.9839, 21.7705



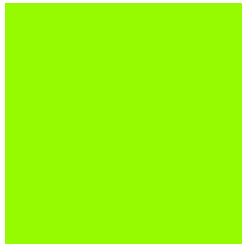
12.1289, 5.1954, 48.3371



1.2396, 0.5411, 4.4823

Previews

White Background



This preview shows how the XYZ color 47.0749, 75.4784, 12.0877 looks on a white background.

Color Contrast Check

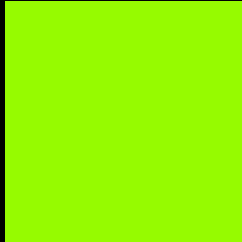
Large Text (above 18pt) WCAG AA × Fail

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 47.0749, 75.4784, 12.0877 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 47.0749, 75.4784, 12.0877

Background



This preview shows how black text looks on a background with the XYZ color 47.0749, 75.4784, 12.0877.



This preview shows how white text looks on a background with the XYZ color 47.0749, 75.4784,

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

47.0749, 75.4784, 12.0877

Protanopia

67.4332, 74.7331, 10.8708

Deuteranopia

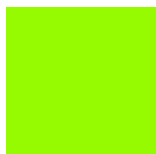
73.1943, 74.1560, 46.5322



Tritanopia

65.0697, 74.7711, 103.0982

Trichromacy



Original Color

47.0749, 75.4784, 12.0877



Protanomaly

57.7417, 73.4446, 11.1329



Deuteranomaly

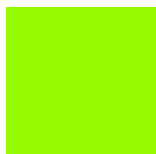
59.5136, 72.3859, 24.4709



Tritanomaly

53.6537, 73.1831, 44.5556

Monochromacy



Original Color

47.0749, 75.4784, 12.0877



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 47.0749, 75.4784, 12.0877 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, 251, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 251, 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, 251, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 251, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.0749, 75.4784, 12.0877 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, 251, 0) }
```


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

```
.border{ border-color:rgb(150, 251, 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, 251, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 251, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 251, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 251,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0749, 75.4784, 12.0877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 251, 0) }
```

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

```
.background{ background-color: rgb(150,  
251, 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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