

Converting Colors

XYZ(47.5568, 74.0505, 11.7867)

Have a look what the booklet for
XYZ(47.5568, 74.0505, 11.7867)
contains.

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Color

**XYZ(47.3613, 73.7906,
11.7468)**

Conversions

Conversions Part 1

Format	Color
Hex	9EF700
RGB	158, 247, 0
RGB Percent	62%, 97%, 0%
CMY	0.3804, 0.0314, 0.9999
CMYK	0.36, 0.00, 1.00, 0.03
HSL	82°, 100%, 48%
HSV	82°, 100%, 97%
XYZ	47.3613, 73.7906, 11.7468
YIQ	192.2310, 26.2430, -95.6850

Conversions

Conversions Part 2

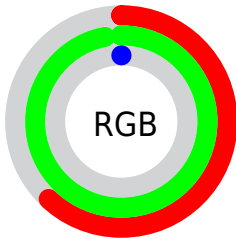
Format	Color
RYB	0, 247, 89
Decimal	10417920
CIELab	88.82, -55.43, 85.52
CIElCh	89, 101.911, 122.948
Yxy	73.7906, 0.3564, 0.5552
Android (android.graphics.Color)	4288608000 (0xFF9EF700)
YUV	192.2310, -94.7699, -30.0206
Hunter-Lab	85.9015, -51.9125, 52.0233

Details

The XYZ color **47.3613, 73.7906, 11.7468** 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 **20.9136, 8.8425, 88.6044**, and the grayscale version is **50.7684, 53.4123, 58.1660**.

A 20% lighter version of the original color is **66.9052, 87.3528, 23.4597**, and **23.3432, 39.3683, 6.3685** is the 20% darker color. If you saturate the color by 10%, you get **47.3602, 73.7924, 11.7472**, and if you desaturate by 10%, it is **49.3505, 74.7985, 12.7414**.

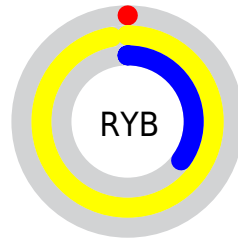
Distribution



Red (62%)

Green (97%)

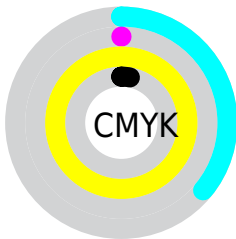
Blue (0%)



Red (0%)

Yellow (97%)

Blue (35%)

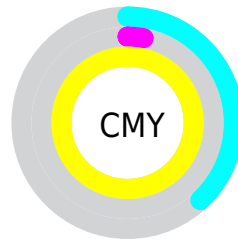


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (38%)


Magenta (3%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3613, 73.7906, 11.7468 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 47.3613, 73.7906, 11.7468 by changing the saturation by 10% instead.


 47.3613, 73.7906,
11.7468

 47.3613, 73.7906,
11.7468


366.8797,
473.7503, 213.6398

 33.5305, 54.6227,
6.4511


 85.4681, 124.5989,
29.6906


 22.6943, 39.0997,
3.0481


 110.4749,
157.0081, 43.1757


 14.4874, 26.8373,
1.1192


 139.9377,
194.5998, 60.2277

 8.5444, 17.4511,
0.0000

 174.2219,
237.7585, 81.2651

 4.4999, 10.5566,
0.0000

 213.6928,
286.8685, 106.7065

 1.9887, 5.7695,
0.0000

 258.7159,

 0.6276, 2.7055,

342.3142, 136.9704

0.0000

309.6564,
404.4800, 172.4753

■ 0.0000, 0.9800,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.3613, 73.7906,
11.7468

■ 47.3613, 73.7906,
11.7468

■ 47.3602, 73.7924,
11.7472

■ 49.3505, 74.7985,
12.7414

■ 51.6860, 75.9574,
14.8915

■ 54.4396, 77.2986,
18.5539

■ 57.6542, 78.8399,
23.9429

■ 61.3664, 80.5960,
31.2386

■ 65.6085, 82.5801,
40.5982

■ 70.4093, 84.8040,
52.1627

■ 75.7956, 87.2787,
66.0607

■ 81.7920, 90.0143,
82.4109

Harmonies

Analogous

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



67.7233, 73.7906, 6.6988



47.3613, 73.7906, 11.7468



35.7916, 73.7906, 33.0281

Triad

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



47.3613, 73.7906, 11.7468



50.6902, 73.7906, 272.3558



129.0087, 73.7906, 73.5562

Complementary

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



47.3613, 73.7906, 11.7468



20.9136, 8.8425, 88.6044

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.



121.4603, 73.7906, 159.3680



47.3613, 73.7906, 11.7468



72.6049, 73.7906, 306.8687

Square

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



47.3613, 73.7906, 11.7468



37.3730, 73.7906, 179.2553



99.2429, 73.7906, 256.8850



117.9745, 73.7906, 26.7767

Rectangle

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



47.3613, 73.7906, 11.7468



32.7930, 73.7906, 64.7873



99.2429, 73.7906, 256.8850



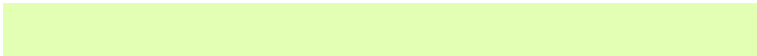
128.5645, 73.7906, 98.2139

Sweetspot

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



47.3630, 73.7938, 11.7484



75.6605, 91.1554, 55.9902



41.7257, 26.5070, 2.9182



15.7122, 19.2881, 10.7979



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.



47.3630, 73.7938, 11.7484



50.8847, 79.3171, 12.6278



34.0284, 66.9196, 11.1243



17.3016, 18.9975, 17.5526



25.2069, 39.1074, 6.2199



2.3275, 3.4949, 0.5519

Inverse Universe

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



20.9136, 8.8425, 88.6044



22.4537, 9.4902, 95.2561



43.3566, 20.4123, 89.6547



16.1449, 16.2173, 20.8219



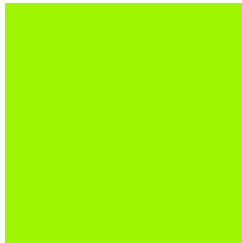
11.1996, 4.7479, 46.8642



1.0925, 0.4731, 4.1240

Previews

White Background



This preview shows how the XYZ color 47.3613, 73.7906, 11.7468 looks on a white background.

Color Contrast Check

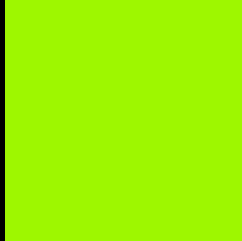
Large Text (above 18pt) WCAG AA × Fail

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 47.3613, 73.7906, 11.7468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

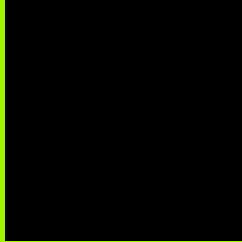
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3613, 73.7906, 11.7468

Background



This preview shows how black text looks on a background with the XYZ color 47.3613, 73.7906, 11.7468.



This preview shows how white text looks on a background with the XYZ color 47.3613, 73.7906,

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

47.3613, 73.7906, 11.7468

Protanopia

65.5456, 72.5665, 10.5521

Deuteranopia

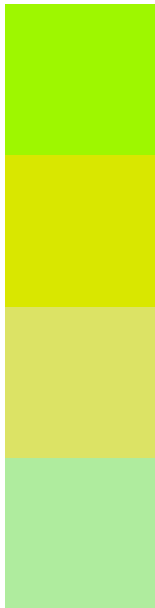
71.9674, 72.8404, 42.6143



Tritanopia

65.0073, 73.5613, 99.5794

Trichromacy



Original Color

47.3613, 73.7906, 11.7468

Protanomaly

57.1912, 71.9035, 10.8645

Deuteranomaly

59.3332, 71.0934, 22.9071

Tritanomaly

53.8462, 71.5735, 43.3248

Monochromacy



Original Color

47.3613, 73.7906, 11.7468

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

45.8787, 58.1954, 27.2271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3613, 73.7906, 11.7468 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(158, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 247, 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(158, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 247, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.3613, 73.7906, 11.7468 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(158, 247, 0) }
```


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

```
.border{ border-color:rgb(158, 247, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 247, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 247,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3613, 73.7906, 11.7468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 247, 0) }
```

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

```
.background{ background-color: rgb(158,  
247, 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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