

Converting Colors

XYZ(47.2077, 74.6109, 8.3487)

Have a look what the booklet for
XYZ(47.2077, 74.6109, 8.3487)
contains.

XYZ(47.9762, 75.0205, 11.9518)	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(47.9762, 75.0205,
11.9518)**

Conversions

Conversions Part 1

Format	Color
Hex	9EF900
RGB	158, 249, 0
RGB Percent	62%, 98%, 0%
CMY	0.3804, 0.0235, 0.9999
CMYK	0.37, 0.00, 1.00, 0.02
HSL	82°, 100%, 49%
HSV	82°, 100%, 98%
XYZ	47.9762, 75.0205, 11.9518
YIQ	193.4050, 25.6930, -96.7310

Conversions

Conversions Part 2

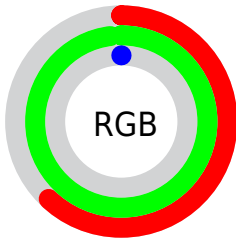
Format	Color
RYB	0, 249, 91
Decimal	10418432
CIELab	89.40, -56.22, 85.97
CIELCh	89, 102.716, 123.181
Yxy	75.0205, 0.3555, 0.5559
Android (android.graphics.Color)	4288608512 (0xFF9EF900)
YUV	193.4050, -95.3487, -31.0502
Hunter-Lab	86.6144, -52.7030, 52.4487

Details

The XYZ color **47.9762, 75.0205, 11.9518** 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 **21.4189, 9.0671, 90.2482**, and the grayscale version is **51.4653, 54.1455, 58.9644**.

A 20% lighter version of the original color is **66.9052, 87.3528, 23.4597**, and **23.7794, 40.2407, 6.5139** is the 20% darker color. If you saturate the color by 10%, you get **47.9750, 75.0223, 11.9522**, and if you desaturate by 10%, it is **50.0099, 76.0511, 12.9598**.

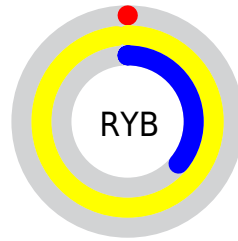
Distribution



Red (62%)

Green (98%)

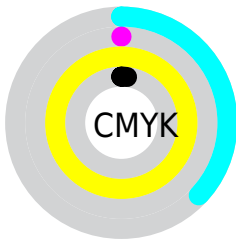
Blue (0%)



Red (0%)

Yellow (98%)

Blue (36%)

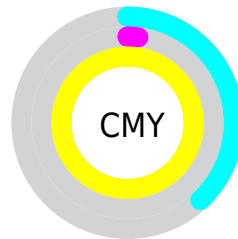


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (38%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9762, 75.0205, 11.9518 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 47.9762, 75.0205, 11.9518 by changing the saturation by 10% instead.


 47.9762, 75.0205,
11.9518


 47.9762, 75.0205,
11.9518


369.2819,
477.9880, 215.0525


 34.0192, 55.6297,
6.5887


 86.3789, 126.3414,
30.0704

 23.0713, 39.9061,
3.1317


 111.5553,
159.0402, 43.6629


 14.7672, 27.4653,
1.1623


 141.2022,
196.9439, 60.8358

 8.7414, 17.9230,
0.0000

 175.6850,
240.4367, 82.0074

 4.6286, 10.8947,
0.0000

 215.3690,
289.9032, 107.5963

 2.0636, 5.9961,
0.0000

 260.6196,

 0.6693, 2.8427,

345.7276, 138.0211

0.0000

311.8021,
408.2944, 173.7003

■ 0.0000, 1.0502,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.9762, 75.0205,
11.9518

■ 47.9762, 75.0205,
11.9518

■ 47.9750, 75.0223,
11.9522

■ 50.0099, 76.0511,
12.9598

■ 52.4001, 77.2374,
15.1459

■ 55.2197, 78.6114,
18.8731

■ 58.5130, 80.1911,
24.3599

■ 62.3172, 81.9918,
31.7900

■ 66.6653, 84.0268,
41.3239

■ 71.5871, 86.3084,
53.1053

■ 77.1096, 88.8477,
67.2655

■ 83.2583, 91.6550,
83.9254

Harmonies

Analogous

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



68.6545, 75.0205, 6.7540



47.9762, 75.0205, 11.9518



36.2665, 75.0205, 33.7746

Triad

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



47.9762, 75.0205, 11.9518



51.6346, 75.0205, 278.1300



131.3143, 75.0205, 74.2371

Complementary

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



47.9762, 75.0205, 11.9518



21.4189, 9.0671, 90.2482

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.



123.7601, 75.0205, 161.4665



47.9762, 75.0205, 11.9518



74.0223, 75.0205, 312.7079

Square

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



47.9762, 75.0205, 11.9518



38.0035, 75.0205, 183.3551



101.1834, 75.0205, 261.0946



119.9244, 75.0205, 26.9117

Rectangle

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



47.9762, 75.0205, 11.9518



33.2571, 75.0205, 66.3181



101.1834, 75.0205, 261.0946



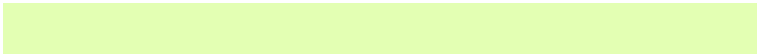
130.9126, 75.0205, 99.2584

Sweetspot

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



47.9779, 75.0238, 11.9534



75.5363, 91.0913, 55.9844



42.4915, 26.9858, 2.9703



15.6825, 19.2728, 10.7965



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.



47.9779, 75.0238, 11.9534



50.6174, 79.1793, 12.6153



34.6543, 68.1552, 11.3299



18.0762, 19.8551, 18.3421



25.8406, 40.2396, 6.4051



2.5097, 3.7869, 0.5987

Inverse Universe

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



21.4189, 9.0671, 90.2482



22.5856, 9.5582, 95.2623



44.1537, 20.7873, 91.3121



16.8821, 16.9519, 21.7675



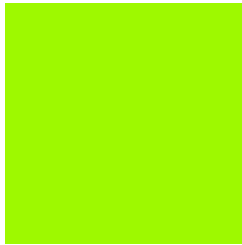
11.6053, 4.9255, 48.3126



1.1868, 0.5139, 4.4798

Previews

White Background



This preview shows how the XYZ color 47.9762, 75.0205, 11.9518 looks on a white background.

Color Contrast Check

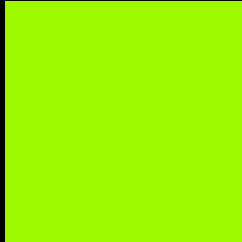
Large Text (above 18pt) WCAG AA × Fail

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 47.9762, 75.0205, 11.9518 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 47.9762, 75.0205, 11.9518

Background



This preview shows how black text looks on a background with the XYZ color 47.9762, 75.0205, 11.9518.



This preview shows how white text looks on a background with the XYZ color 47.9762, 75.0205,

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

47.9762, 75.0205, 11.9518

Protanopia

66.8005, 74.0068, 10.7640

Deuteranopia

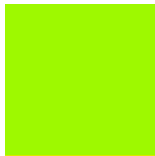
73.0122, 74.0831, 45.5733



Tritanopia

65.5984, 74.2443, 101.3157

Trichromacy



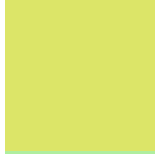
Original Color

47.9762, 75.0205, 11.9518



Protanomaly

58.0524, 73.1833, 11.0661



Deuteranomaly

60.0332, 72.2537, 23.8790



Tritanomaly

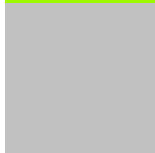
54.5117, 72.7662, 43.9731

Monochromacy



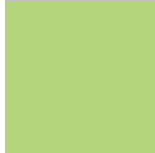
Original Color

47.9762, 75.0205, 11.9518



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

46.1918, 58.7219, 27.6388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9762, 75.0205, 11.9518 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, 249, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 249, 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, 249, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 249, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.9762, 75.0205, 11.9518 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, 249, 0) }
```


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

```
.border{ border-color:rgb(158, 249, 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, 249, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 249, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 249, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 249,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9762, 75.0205, 11.9518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 249, 0) }
```

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

```
.background{ background-color: rgb(158,  
249, 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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