

Converting Colors

XYZ(47.2217, 77.4019, 13.6701)

Have a look what the booklet for
XYZ(47.2217, 77.4019, 13.6701)
contains.

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Color

**XYZ(47.1497, 77.3645,
13.6761)**

Conversions

Conversions Part 1

Format	Color
Hex	8EFF1E
RGB	142, 255, 30
RGB Percent	56%, 100%, 12%
CMY	0.4431, 0.0000, 0.8823
CMYK	0.44, 0.00, 0.88, 0.00
HSL	90°, 100%, 56%
HSV	90°, 88%, 100%
XYZ	47.1497, 77.3645, 13.6761
YIQ	195.5630, 4.8770, -93.9310

Conversions

Conversions Part 2

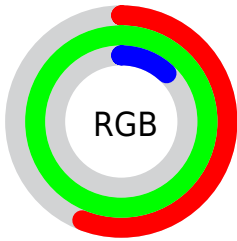
Format	Color
R_{YB}	30, 255, 143
Decimal	9371422
CIE _{Lab}	90.49, -63.20, 83.44
CIE _{LCh}	90, 104.673, 127.140
Yxy	77.3645, 0.3412, 0.5598
Android (android.graphics.Color)	4287561502 (0xFF8EFF1E)
YUV	195.5630, -81.6226, -46.9748
Hunter-Lab	87.9571, -58.2394, 52.3512

Details

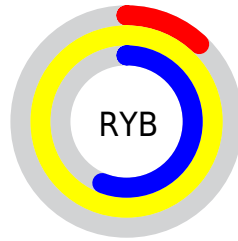
The XYZ color **47.1497, 77.3645, 13.6761** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **29.8454, 13.9906, 95.7352**, and the grayscale version is **52.6799, 55.4233, 60.3560**.

A 20% lighter version of the original color is **63.0601, 85.3167, 25.7145**, and **23.0268, 41.5103, 6.7986** is the 20% darker color. If you saturate the color by 10%, you get **44.8672, 76.2121, 12.4754**, and if you desaturate by 10%, it is **49.9427, 78.7504, 16.2478**.

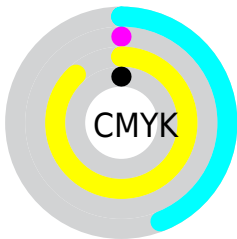
Distribution



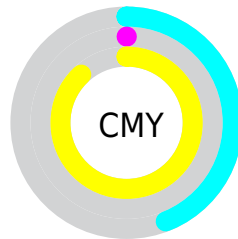
- Red (56%)
- Green (100%)
- Blue (12%)



- Red (12%)
- Yellow (100%)
- Blue (56%)



- Cyan (44%)
- Magenta (0%)
- Yellow (88%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1497, 77.3645, 13.6761 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 47.1497, 77.3645, 13.6761 by changing the saturation by 10% instead.


 47.1497, 77.3645,
13.6761


 47.1497, 77.3645,
13.6761


366.0507,
486.0059, 226.5643


 33.3625, 57.5521,
7.7596


 85.1544, 129.6539,
33.2220


 22.5648, 41.4487,
3.8559


 110.1026,
162.8996, 47.6885


 14.3914, 28.6698,
1.5466


 139.5018,
201.3920, 65.8420

 8.4769, 18.8312,
0.2523

 173.7174,
245.5152, 88.1011

 4.4560, 11.5484,
0.0000

 213.1147,
295.6539, 114.8844

 1.9632, 6.4369,
0.0000

258.0592,

 0.6132, 3.1125,

352.1923, 146.6103

0.0000

308.9160,
415.5148, 183.6974

■ 0.0000, 1.1908,
0.0000

■ 0.0000, 0.0541,
0.0000

■ 47.1497, 77.3645,
13.6761

■ 47.1497, 77.3645,
13.6761

■ 44.8672, 76.2121,
12.4754

■ 49.9427, 78.7504,
16.2478

■ 44.5010, 76.0261,
12.3291

■ 53.3125, 80.3970,
20.4963

■ 57.3095, 82.3255,
26.6470

■ 61.9772, 84.5542,
34.8900

67.3543, 87.0993,
45.3922

73.4761, 89.9758,
58.3036

80.3752, 93.1974,
73.7613

88.0822, 96.7772,
91.8923

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



67.4554, 77.3645, 6.9010



47.1497, 77.3645, 13.6761



36.2363, 77.3645, 39.7483

Triad

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



47.1497, 77.3645, 13.6761



55.6700, 77.3645, 298.9460



135.5949, 77.3645, 67.5684

Complementary

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



47.1497, 77.3645, 13.6761



29.8454, 13.9906, 95.7352

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.



130.3101, 77.3645, 153.5169



47.1497, 77.3645, 13.6761



79.9643, 77.3645, 323.3077

Square

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



47.1497, 77.3645, 13.6761



40.2790, 77.3645, 204.5992



108.2793, 77.3645, 259.1877



121.3663, 77.3645, 23.7572

Rectangle

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



47.1497, 77.3645, 13.6761



33.8640, 77.3645, 77.2508



108.2793, 77.3645, 259.1877



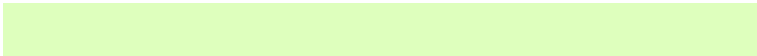
136.0879, 77.3645, 91.6317

Sweetspot

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



47.1499, 77.3646, 13.6773



74.9452, 90.6634, 61.5233



51.2234, 40.8515, 6.4148



15.5562, 19.1785, 12.1090



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.



47.1499, 77.3646, 13.6773



44.5010, 76.0261, 12.3291



36.5305, 71.8901, 13.1803



18.6329, 20.6122, 19.1408



23.4247, 39.8140, 6.4503



2.4067, 3.9414, 0.6339

Inverse Universe

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



29.8454, 13.9906, 95.7352



26.9636, 11.8151, 95.4672



59.7547, 29.4094, 97.1349



17.8724, 17.8260, 22.7487



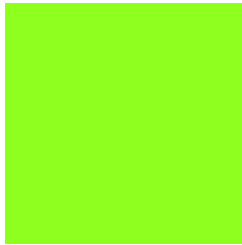
14.2614, 6.2625, 49.8917



1.5146, 0.6747, 4.8637

Previews

White Background



This preview shows how the XYZ color 47.1497, 77.3645, 13.6761 looks on a white background.

Color Contrast Check

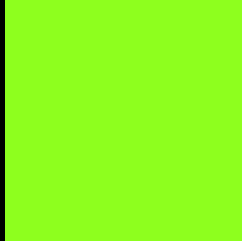
Large Text (above 18pt) WCAG AA × Fail

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 47.1497, 77.3645, 13.6761 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 47.1497, 77.3645, 13.6761

Background



This preview shows how black text looks on a background with the XYZ color 47.1497, 77.3645, 13.6761.



This preview shows how white text looks on a background with the XYZ color 47.1497, 77.3645,

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

47.1497, 77.3645, 13.6761

Protanopia

68.9187, 76.2820, 12.1901

Deuteranopia

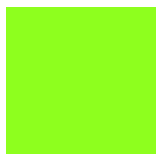
74.7364, 76.0289, 50.7804



Tritanopia

66.0134, 76.9023, 105.9721

Trichromacy



Original Color

47.1497, 77.3645, 13.6761



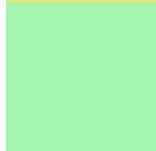
Protanomaly

58.2375, 74.9532, 12.5604



Deuteranomaly

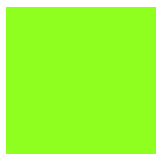
60.3833, 73.9791, 29.5092



Tritanomaly

54.9978, 75.5050, 51.2104

Monochromacy



Original Color

47.1497, 77.3645, 13.6761



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.1613, 60.6334, 32.5103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1497, 77.3645, 13.6761 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(142, 255, 30)` looks like.

```
.text, #text, p{  
    color:rgb(142, 255, 30)  
}
```

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(142, 255, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 255, 30) }
```

Border

The CSS property to change the border of an element to XYZ 47.1497, 77.3645, 13.6761 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(142, 255, 30) }
```


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

```
.border{ border-color:rgb(142, 255, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 255, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 255, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 255, 30);  
box-shadow:4px 4px 4px 4px rgb(142, 255,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1497, 77.3645, 13.6761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 255, 30) }
```

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

```
.background{ background-color: rgb(142,  
255, 30) }
```

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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