

Converting Colors

XYZ(46.9799, 77.2351, 15.5605)

Have a look what the booklet for
XYZ(46.9799, 77.2351, 15.5605)
contains.

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Color

**XYZ(47.0050, 77.2480,
15.5649)**

Conversions

Conversions Part 1

Format	Color
Hex	8BFF33
RGB	139, 255, 51
RGB Percent	55%, 100%, 20%
CMY	0.4549, 0.0000, 0.8000
CMYK	0.45, 0.00, 0.80, 0.00
HSL	94°, 100%, 60%
HSV	94°, 80%, 100%
XYZ	47.0050, 77.2480, 15.5649
YIQ	197.0600, -3.6520, -88.0360

Conversions

Conversions Part 2

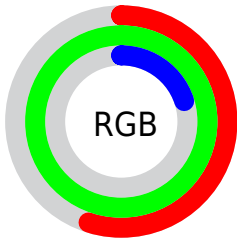
Format	Color
RYB	51, 255, 167
Decimal	9174835
CIELab	90.44, -63.37, 78.94
CIELCh	90, 101.227, 128.759
Yxy	77.2480, 0.3362, 0.5525
Android (android.graphics.Color)	4287364915 (0xFF8BFF33)
YUV	197.0600, -72.0076, -50.9186
Hunter-Lab	87.8908, -58.3452, 51.0237

Details

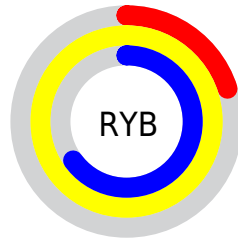
The XYZ color **47.0050, 77.2480, 15.5649** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **35.1728, 17.8051, 96.1907**, and the grayscale version is **53.5307, 56.3185, 61.3308**.

A 20% lighter version of the original color is **62.6739, 85.0372, 29.3302**, and **22.7903, 41.3884, 6.7876** is the 20% darker color. If you saturate the color by 10%, you get **44.3255, 75.9148, 13.2656**, and if you desaturate by 10%, it is **50.3138, 78.8700, 19.5024**.

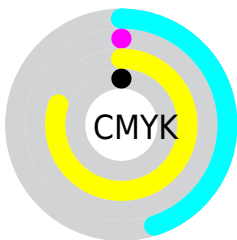
Distribution



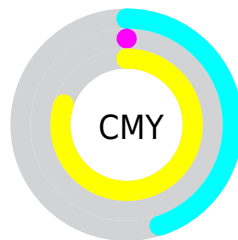
- Red (55%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (65%)



- Cyan (45%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0050, 77.2480, 15.5649 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 47.0050, 77.2480, 15.5649 by changing the saturation by 10% instead.


 47.0050, 77.2480,
15.5649

 47.0050, 77.2480,
15.5649


365.4831,
485.6092, 238.5178


 33.2476, 57.4564,
9.0658


 84.9398, 129.4895,
36.5974


 22.4763, 41.3718,
4.6867


 109.8478,
162.7082, 51.9679


 14.3259, 28.6097,
2.0091


 139.2035,
201.1715, 71.1325

 8.4309, 18.7858,
0.5609

 173.3721,
245.2636, 94.5099

 4.4260, 11.5156,
0.0000

 212.7190,
295.3691, 122.5186

 1.9458, 6.4148,
0.0000

257.6096,

 0.6033, 3.0989,

351.8722, 155.5772

0.0000

308.4091,
415.1575, 194.1040

■ 0.0000, 1.1836,
0.0000

■ 0.0000, 0.0482,
0.0000

■ 47.0050, 77.2480,
15.5649

■ 47.0050, 77.2480,
15.5649

■ 44.3255, 75.9148,
13.2656

■ 50.3138, 78.8700,
19.5024

■ 42.1902, 74.8349,
12.2212

■ 54.3074, 80.8045,
25.3075

■ 42.1895, 74.8345,
12.2209

■ 59.0342, 83.0719,
33.1764

■ 64.5372, 85.6909,
43.2798

70.8556, 88.6782,
55.7705

78.0256, 92.0495,
70.7879

86.0810, 95.8194,
88.4606

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.



66.2670, 77.2480, 7.9133



47.0050, 77.2480, 15.5649



36.8002, 77.2480, 43.0892

Triad

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



47.0050, 77.2480, 15.5649



57.1842, 77.2480, 291.9756



132.6923, 77.2480, 64.6451

Complementary

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



47.0050, 77.2480, 15.5649



35.1728, 17.8051, 96.1907

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.



128.6757, 77.2480, 145.2860



47.0050, 77.2480, 15.5649



81.0742, 77.2480, 310.3035

Square

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



47.0050, 77.2480, 15.5649



41.6703, 77.2480, 204.8047



108.2447, 77.2480, 246.0284



118.2148, 77.2480, 23.5995

Rectangle

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



47.0050, 77.2480, 15.5649



34.7629, 77.2480, 81.1312



108.2447, 77.2480, 246.0284



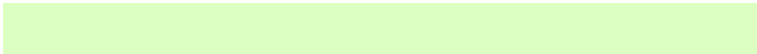
133.5180, 77.2480, 87.1607

Sweetspot

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



47.0052, 77.2480, 15.5660



75.0504, 90.6526, 64.4634



55.5841, 48.9918, 9.6599



15.5223, 19.1487, 12.6684



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.



47.0052, 77.2480, 15.5660



42.9908, 75.2412, 12.5501



38.0686, 72.6012, 16.9489



18.5146, 20.5512, 19.1353



22.2082, 39.1868, 6.3933



2.2846, 3.8785, 0.6282

Inverse Universe

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



35.1728, 17.8051, 96.1907



30.6296, 13.8694, 95.6704



58.3614, 30.0034, 86.2485



17.9918, 17.8875, 22.7543



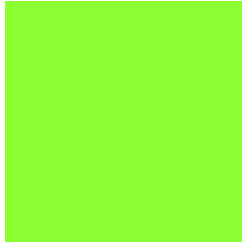
15.7082, 7.0083, 49.9594



1.6547, 0.7469, 4.8702

Previews

White Background



This preview shows how the XYZ color 47.0050, 77.2480, 15.5649 looks on a white background.

Color Contrast Check

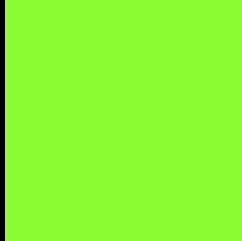
Large Text (above 18pt) WCAG AA × Fail

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 47.0050, 77.2480, 15.5649 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

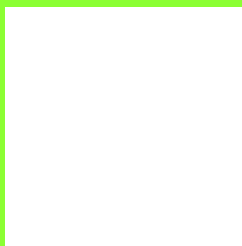
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.0050, 77.2480, 15.5649

Background



This preview shows how black text looks on a background with the XYZ color 47.0050, 77.2480, 15.5649.

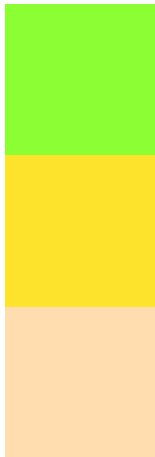


This preview shows how white text looks on a background with the XYZ color 47.0050, 77.2480,

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

47.0050, 77.2480, 15.5649

Protanopia

68.7968, 76.1908, 13.4632

Deuteranopia

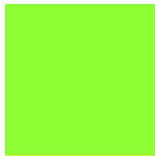
74.7364, 76.0289, 50.7804



Tritanopia

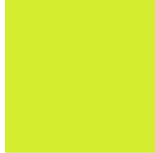
65.5678, 76.6726, 105.9512

Trichromacy



Original Color

47.0050, 77.2480, 15.5649



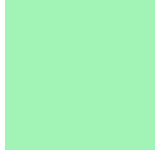
Protanomaly

57.9487, 74.7707, 14.0673



Deuteranomaly

60.5419, 74.0089, 31.8631



Tritanomaly

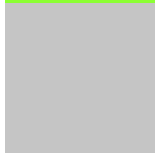
55.3891, 75.6146, 55.3918

Monochromacy



Original Color

47.0050, 77.2480, 15.5649



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.0099, 61.3865, 35.7040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0050, 77.2480, 15.5649 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(139, 255, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 47.0050, 77.2480, 15.5649 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, 51) }
```


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

```
.border{ border-color:rgb(139, 255, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0050, 77.2480, 15.5649 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, 51) }
```

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

```
.background{ background-color: rgb(139,  
255, 51) }
```

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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