

Converting Colors

XYZ(47.3088, 77.4046, 15.5791)

Have a look what the booklet for
XYZ(47.3088, 77.4046, 15.5791)
contains.

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Color

**XYZ(47.3420, 77.4217,
15.5807)**

Conversions

Conversions Part 1

Format	Color
Hex	8DFF33
RGB	141, 255, 51
RGB Percent	55%, 100%, 20%
CMY	0.4471, 0.0000, 0.8000
CMYK	0.45, 0.00, 0.80, 0.00
HSL	94°, 100%, 60%
HSV	94°, 80%, 100%
XYZ	47.3420, 77.4217, 15.5807
YIQ	197.6580, -2.4600, -87.6120

Conversions

Conversions Part 2

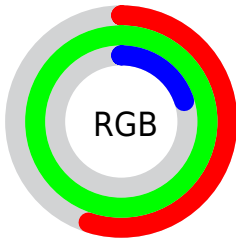
Format	Color
RYB	51, 255, 165
Decimal	9305907
CIELab	90.52, -62.77, 79.04
CIELCh	91, 100.933, 128.457
Yxy	77.4217, 0.3373, 0.5517
Android (android.graphics.Color)	4287495987 (0xFF8DFF33)
YUV	197.6580, -72.3024, -49.6891
Hunter-Lab	87.9896, -57.9415, 51.0940

Details

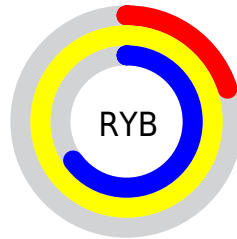
The XYZ color **47.3420, 77.4217, 15.5807** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **34.7536, 17.5890, 96.1710**, and the grayscale version is **53.8954, 56.7021, 61.7486**.

A 20% lighter version of the original color is **63.2116, 85.3144, 29.3554**, and **23.0268, 41.5103, 6.7986** is the 20% darker color. If you saturate the color by 10%, you get **44.6560, 76.0852, 13.2811**, and if you desaturate by 10%, it is **50.6480, 79.0423, 19.5181**.

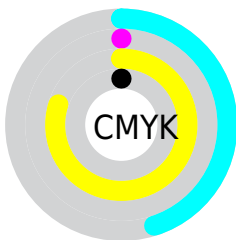
Distribution



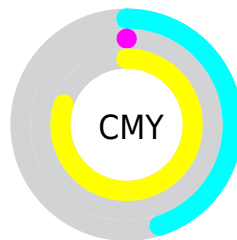
- Red (55%)
- Green (100%)
- Blue (20%)



- 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 47.3420, 77.4217, 15.5807 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 47.3420, 77.4217, 15.5807 by changing the saturation by 10% instead.


 47.3420, 77.4217,
15.5807


 47.3420, 77.4217,
15.5807


366.8042,
486.2006, 238.6153

 33.5152, 57.5990,
9.0768


 85.4395, 129.7346,
36.6253

 22.6825, 41.4864,
4.6938


 110.4410,
162.9936, 52.0032


 14.4787, 28.6993,
2.0132


 139.8980,
201.5002, 71.1760

 8.5382, 18.8535,
0.5634

 174.1759,
245.6388, 94.5625

 4.4959, 11.5645,
0.0000

 213.6401,
295.7937, 122.5812

 1.9863, 6.4479,
0.0000

258.6560,

 0.6263, 3.1193,

352.3494, 155.6505

0.0000

309.5889,
415.6902, 194.1890

■ 0.0000, 1.1943,
0.0000

■ 0.0000, 0.0571,
0.0000

■ 47.3420, 77.4217,
15.5807

■ 47.3420, 77.4217,
15.5807

■ 44.6560, 76.0852,
13.2811

■ 50.6480, 79.0423,
19.5181

■ 42.5057, 74.9975,
12.2360

■ 54.6287, 80.9700,
25.3226

■ 42.5049, 74.9971,
12.2357

■ 59.3319, 83.2254,
33.1904

■ 64.8000, 85.8264,
43.2922

■ 71.0717, 88.7896,
55.7808

■ 78.1827, 92.1305,
70.7955

■ 86.1662, 95.8634,
88.4648

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.



66.6774, 77.4217, 8.0129



47.3420, 77.4217, 15.5807



37.0466, 77.4217, 42.8690

Triad

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



47.3420, 77.4217, 15.5807



57.1662, 77.4217, 290.9355



132.7866, 77.4217, 65.4645

Complementary

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



47.3420, 77.4217, 15.5807



34.7536, 17.5890, 96.1710

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.



128.5890, 77.4217, 146.3285



47.3420, 77.4217, 15.5807



80.9582, 77.4217, 310.0616

Square

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



47.3420, 77.4217, 15.5807



41.7499, 77.4217, 203.6580



108.0859, 77.4217, 246.7026



118.5090, 77.4217, 24.0362

Rectangle

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



47.3420, 77.4217, 15.5807



34.9530, 77.4217, 80.6127



108.0859, 77.4217, 246.7026



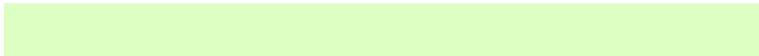
133.5443, 77.4217, 88.0962

Sweetspot

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



47.3422, 77.4218, 15.5819



75.2325, 90.7465, 64.4719



54.9713, 47.7662, 9.4556



15.5658, 19.1710, 12.6704



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.



47.3422, 77.4218, 15.5819



43.3133, 75.4074, 12.5651



37.9737, 72.5633, 16.4492



18.5320, 20.5602, 19.1361



22.3747, 39.2726, 6.4011



2.3016, 3.8873, 0.6290

Inverse Universe

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



34.7536, 17.5890, 96.1710



30.1947, 13.6452, 95.6501



58.8753, 30.2089, 88.9544



17.9741, 17.8784, 22.7535



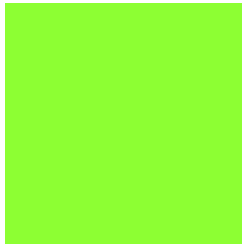
15.4806, 6.8910, 49.9488



1.6329, 0.7357, 4.8692

Previews

White Background



This preview shows how the XYZ color 47.3420, 77.4217, 15.5807 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 47.3420, 77.4217, 15.5807 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

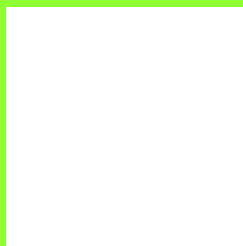
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3420, 77.4217, 15.5807

Background



This preview shows how black text looks on a background with the XYZ color 47.3420, 77.4217, 15.5807.

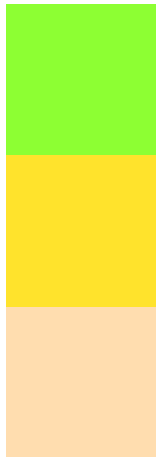


This preview shows how white text looks on a background with the XYZ color 47.3420, 77.4217,

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

47.3420, 77.4217, 15.5807

Protanopia

69.1637, 76.3800, 13.4804

Deuteranopia

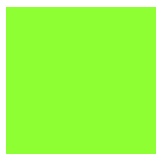
74.8343, 76.0680, 51.2958



Tritanopia

66.0134, 76.9023, 105.9721

Trichromacy



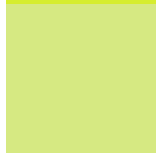
Original Color

47.3420, 77.4217, 15.5807



Protanomaly

58.5288, 75.0698, 14.0944



Deuteranomaly

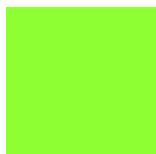
60.8997, 74.1857, 32.2286



Tritanomaly

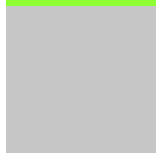
55.7954, 75.8241, 55.4108

Monochromacy



Original Color

47.3420, 77.4217, 15.5807



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.5738, 62.0545, 36.2057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3420, 77.4217, 15.5807 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(141, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(141, 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(141, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 47.3420, 77.4217, 15.5807 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(141, 255, 51) }
```


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

```
.border{ border-color:rgb(141, 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(141, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3420, 77.4217, 15.5807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 51) }
```

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

```
.background{ background-color: rgb(141,  
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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