

Converting Colors

XYZ(47.4808, 77.0322, 15.3420)

Have a look what the booklet for
XYZ(47.4808, 77.0322, 15.3420)
contains.

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Color

**XYZ(47.5191, 77.0432,
15.3839)**

Conversions

Conversions Part 1

Format	Color
Hex	90FE32
RGB	144, 254, 50
RGB Percent	56%, 100%, 20%
CMY	0.4353, 0.0039, 0.8039
CMYK	0.43, 0.00, 0.80, 0.00
HSL	92°, 99%, 60%
HSV	92°, 80%, 100%
XYZ	47.5191, 77.0432, 15.3839
YIQ	197.8540, -0.0760, -86.7640

Conversions

Conversions Part 2

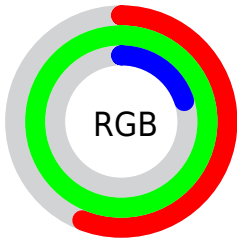
Format	Color
RYB	50, 254, 160
Decimal	9502258
CIELab	90.34, -61.53, 79.18
CIELCh	90, 100.277, 127.851
Yxy	77.0432, 0.3396, 0.5505
Android (android.graphics.Color)	4287692338 (0xFF90FE32)
YUV	197.8540, -72.8920, -47.2300
Hunter-Lab	87.7743, -56.9689, 51.0504

Details

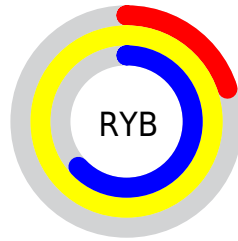
The XYZ color **47.5191, 77.0432, 15.3839** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **33.5316, 16.9133, 95.2676**, and the grayscale version is **54.0191, 56.8323, 61.8904**.

A 20% lighter version of the original color is **63.9741, 85.7140, 29.0923**, and **23.1333, 41.2292, 6.7388** is the 20% darker color. If you saturate the color by 10%, you get **44.8671, 75.7252, 13.1494**, and if you desaturate by 10%, it is **50.7685, 78.6389, 19.2335**.

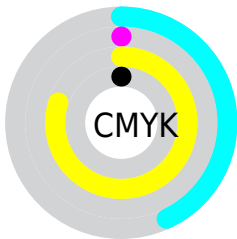
Distribution



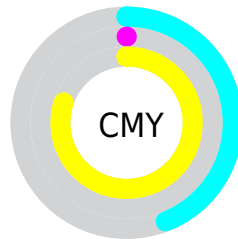
- Red (56%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (63%)



- Cyan (43%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5191, 77.0432, 15.3839 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 47.5191, 77.0432, 15.3839 by changing the saturation by 10% instead.


 47.5191, 77.0432,
15.3839


 47.5191, 77.0432,
15.3839


367.4972,
484.9113, 237.3985

 33.6559, 57.2883,
8.9397


 85.7020, 129.2005,
36.2770


 22.7910, 41.2368,
4.6056


 110.7524,
162.3716, 51.5630


 14.5591, 28.5041,
1.9631


 140.2625,
200.7837, 70.6333

 8.5948, 18.7060,
0.5324

 174.5978,
244.8211, 93.9065

 4.5328, 11.4581,
0.0000

 214.1235,
294.8681, 121.8010

 2.0078, 6.3758,
0.0000

259.2051,

 0.6383, 3.0749,

351.3093, 154.7355

0.0000

310.2079,
414.5288, 193.1285

0.0000, 1.1710,
0.0000

0.0000, 0.0378,
0.0000

47.5191, 77.0432,
15.3839

47.5191, 77.0432,
15.3839

44.8671, 75.7252,
13.1494

50.7685, 78.6389,
19.2335

42.7838, 74.6710,
12.1580

54.6638, 80.5251,
24.9252

59.2527, 82.7244,
32.6547

64.5764, 85.2545,
42.5916

■ 70.6723, 88.1312,
54.8877

■ 77.5748, 91.3692,
69.6812

■ 85.3160, 94.9825,
87.0999

■ 93.9262, 98.9838,
107.2627

■ 94.7335, 99.3669,
108.7945

Harmonies

Analogous

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



66.8569, 77.0432, 8.0699



47.5191, 77.0432, 15.3839



37.1245, 77.0432, 41.9589

Triad

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



47.5191, 77.0432, 15.3839



56.5612, 77.0432, 286.8507



131.8996, 77.0432, 66.4561

Complementary

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



47.5191, 77.0432, 15.3839



33.5316, 16.9133, 95.2676

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.



127.3689, 77.0432, 147.2158



47.5191, 77.0432, 15.3839



79.9899, 77.0432, 307.4511

Square

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



47.5191, 77.0432, 15.3839



41.4566, 77.0432, 199.8568



106.8527, 77.0432, 246.2599



118.1085, 77.0432, 24.6033

Rectangle

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



47.5191, 77.0432, 15.3839



34.9355, 77.0432, 78.8301



106.8527, 77.0432, 246.2599



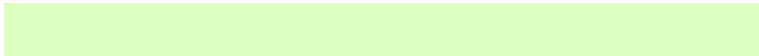
132.5173, 77.0432, 89.1556

Sweetspot

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



47.5209, 77.0465, 15.3856



75.5986, 90.9353, 64.4890



53.8159, 46.0323, 9.0674



15.6531, 19.2161, 12.6745



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.



47.5209, 77.0465, 15.3856



43.9828, 75.7526, 12.5965



37.4931, 71.8588, 15.7401



18.5669, 20.5781, 19.1377



22.7210, 39.4512, 6.4173



2.3366, 3.9053, 0.6307

Inverse Universe

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



33.5316, 16.9133, 95.2676



29.3521, 13.2108, 95.6107



58.8362, 30.0819, 90.8673



17.9388, 17.8602, 22.7518



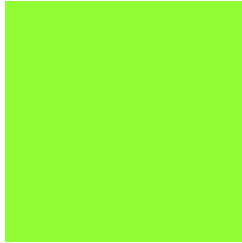
15.0403, 6.6640, 49.9282



1.5905, 0.7139, 4.8672

Previews

White Background



This preview shows how the XYZ color 47.5191, 77.0432, 15.3839 looks on a white background.

Color Contrast Check

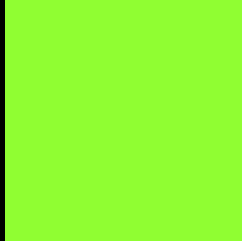
Large Text (above 18pt) WCAG AA × Fail

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 47.5191, 77.0432, 15.3839 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

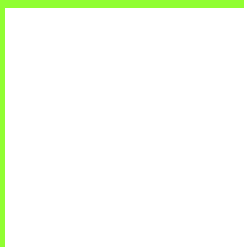
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.5191, 77.0432, 15.3839

Background



This preview shows how black text looks on a background with the XYZ color 47.5191, 77.0432, 15.3839.



This preview shows how white text looks on a background with the XYZ color 47.5191, 77.0432,

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

47.5191, 77.0432, 15.3839

Protanopia

68.5055, 75.6380, 13.2745

Deuteranopia

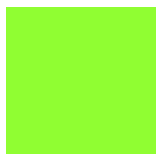
74.3760, 75.4635, 50.1810



Tritanopia

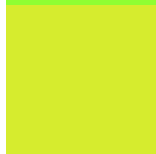
65.7246, 76.3249, 105.8759

Trichromacy



Original Color

47.5191, 77.0432, 15.3839



Protanomaly

58.2202, 74.4843, 13.8932



Deuteranomaly

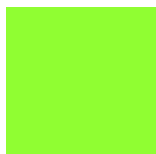
60.7772, 73.7188, 31.4479



Tritanomaly

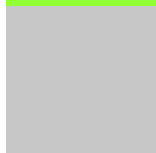
55.5987, 75.2890, 54.7819

Monochromacy



Original Color

47.5191, 77.0432, 15.3839



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.4655, 61.6214, 35.7253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5191, 77.0432, 15.3839 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(144, 254, 50)` looks like.

```
.text, #text, p{  
    color:rgb(144, 254, 50)  
}
```

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(144, 254, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 254, 50) }
```

Border

The CSS property to change the border of an element to XYZ 47.5191, 77.0432, 15.3839 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(144, 254, 50) }
```


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

```
.border{ border-color:rgb(144, 254, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 254, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 254, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 254, 50);  
box-shadow:4px 4px 4px 4px rgb(144, 254,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5191, 77.0432, 15.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 254, 50) }
```

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

```
.background{ background-color: rgb(144,  
254, 50) }
```

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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