

Converting Colors

XYZ(47.6462, 77.5784, 15.5995)

Have a look what the booklet for
XYZ(47.6462, 77.5784, 15.5995)
contains.

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Color

**XYZ(47.6852, 77.5987,
15.5967)**

Conversions

Conversions Part 1

Format	Color
Hex	8FFF33
RGB	143, 255, 51
RGB Percent	56%, 100%, 20%
CMY	0.4392, 0.0000, 0.8000
CMYK	0.44, 0.00, 0.80, 0.00
HSL	93°, 100%, 60%
HSV	93°, 80%, 100%
XYZ	47.6852, 77.5987, 15.5967
YIQ	198.2560, -1.2680, -87.1880

Conversions

Conversions Part 2

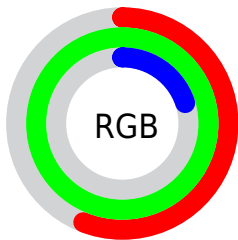
Format	Color
RYB	51, 255, 163
Decimal	9436979
CIELab	90.60, -62.17, 79.14
CIELCh	91, 100.639, 128.151
Yxy	77.5987, 0.3385, 0.5508
Android (android.graphics.Color)	4287627059 (0xFF8FFF33)
YUV	198.2560, -72.5972, -48.4595
Hunter-Lab	88.0901, -57.5316, 51.1656

Details

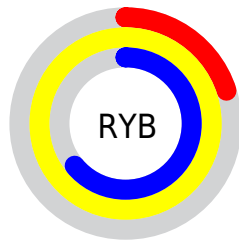
The XYZ color **47.6852, 77.5987, 15.5967** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **34.3406, 17.3761, 96.1517**, and the grayscale version is **54.2615, 57.0873, 62.1681**.

A 20% lighter version of the original color is **63.7564, 85.5952, 29.3809**, and **23.1907, 41.5948, 6.8063** is the 20% darker color. If you saturate the color by 10%, you get **44.9941, 76.2594, 13.2969**, and if you desaturate by 10%, it is **50.9869, 79.2170, 19.5338**.

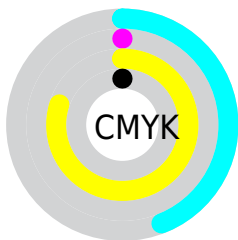
Distribution



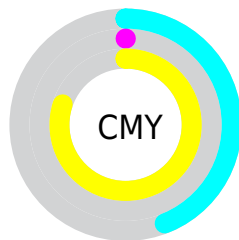
- Red (56%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (64%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6852, 77.5987, 15.5967 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 47.6852, 77.5987, 15.5967 by changing the saturation by 10% instead.


 47.6852, 77.5987,
15.5967


 47.6852, 77.5987,
15.5967


368.1464,
486.8029, 238.7139

 33.7879, 57.7444,
9.0880


 85.9480, 129.9843,
36.6536

 22.8928, 41.6032,
4.7010


 111.0443,
163.2843, 52.0389


 14.6346, 28.7907,
2.0173


 140.6042,
201.8350, 71.2201

 8.6480, 18.9225,
0.5659

 174.9931,
246.0208, 94.6158

 4.5676, 11.6143,
0.0000

 214.5765,
296.2261, 122.6444

 2.0280, 6.4816,
0.0000

259.7195,

 0.6496, 3.1401,

352.8353, 155.7247

0.0000

310.7877,
416.2328, 194.2750

0.0000, 1.2053,
0.0000

0.0000, 0.0660,
0.0000

47.6852, 77.5987,
15.5967

47.6852, 77.5987,
15.5967

44.9941, 76.2594,
13.2969

50.9869, 79.2170,
19.5338

42.8300, 75.1647,
12.2511

54.9535, 81.1375,
25.3376

42.8292, 75.1643,
12.2508

59.6320, 83.3801,
33.2043

65.0643, 85.9626,
43.3043

■ 71.2886, 88.9014,
55.7906

■ 78.3400, 92.2116,
70.8024

■ 86.2513, 95.9072,
88.4683

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.



67.0953, 77.5987, 8.1145



47.6852, 77.5987, 15.5967



37.2974, 77.5987, 42.6473

Triad

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



47.6852, 77.5987, 15.5967



57.1486, 77.5987, 289.8901



132.8842, 77.5987, 66.3017

Complementary

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



47.6852, 77.5987, 15.5967



34.3406, 17.3761, 96.1517

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.



128.5032, 77.5987, 147.3910



47.6852, 77.5987, 15.5967



80.8419, 77.5987, 309.8222

Square

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



47.6852, 77.5987, 15.5967



41.8309, 77.5987, 202.5048



107.9267, 77.5987, 247.3904



118.8089, 77.5987, 24.4838

Rectangle

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



47.6852, 77.5987, 15.5967



35.1463, 77.5987, 80.0910



107.9267, 77.5987, 247.3904



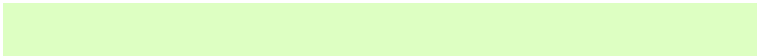
133.5728, 77.5987, 89.0509

Sweetspot

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



47.6853, 77.5987, 15.5978



75.4153, 90.8408, 64.4805



54.3747, 46.5730, 9.2567



15.6094, 19.1935, 12.6725



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.



47.6853, 77.5987, 15.5978



43.6441, 75.5779, 12.5806



37.8846, 72.5276, 15.9801



18.5495, 20.5692, 19.1369



22.5457, 39.3608, 6.4091



2.3189, 3.8962, 0.6298

Inverse Universe

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



34.3406, 17.3761, 96.1517



29.7687, 13.4255, 95.6301



59.3986, 30.4182, 91.7106



17.9564, 17.8693, 22.7527



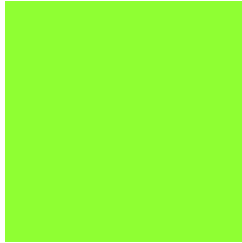
15.2579, 6.7762, 49.9383



1.6115, 0.7247, 4.8682

Previews

White Background



This preview shows how the XYZ color 47.6852, 77.5987, 15.5967 looks on a white background.

Color Contrast Check

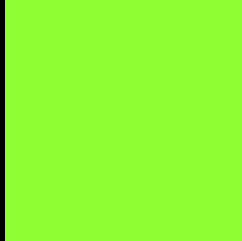
Large Text (above 18pt) WCAG AA × Fail

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 47.6852, 77.5987, 15.5967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

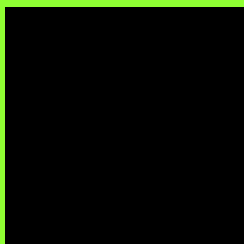
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

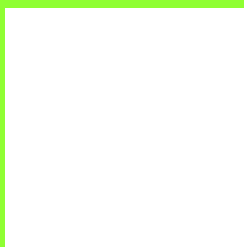
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6852, 77.5987, 15.5967

Background



This preview shows how black text looks on a background with the XYZ color 47.6852, 77.5987, 15.5967.



This preview shows how white text looks on a background with the XYZ color 47.6852, 77.5987,

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

47.6852, 77.5987, 15.5967

Protanopia

69.1637, 76.3800, 13.4804

Deuteranopia

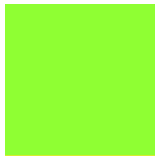
74.9329, 76.1075, 51.8151



Tritanopia

66.2387, 77.0185, 105.9826

Trichromacy



Original Color

47.6852, 77.5987, 15.5967



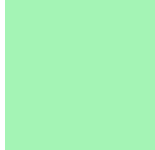
Protanomaly

58.5288, 75.0698, 14.0944



Deuteranomaly

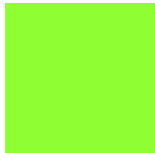
60.9672, 74.2127, 32.5839



Tritanomaly

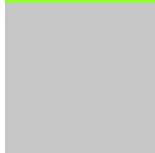
56.0010, 75.9301, 55.4205

Monochromacy



Original Color

47.6852, 77.5987, 15.5967



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.8024, 62.1723, 36.2164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6852, 77.5987, 15.5967 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(143, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(143, 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(143, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 47.6852, 77.5987, 15.5967 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(143, 255, 51) }
```


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

```
.border{ border-color:rgb(143, 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(143, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(143, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6852, 77.5987, 15.5967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 51) }
```

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

```
.background{ background-color: rgb(143,  
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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