

Converting Colors

XYZ(51.5355, 77.1648, 19.2800)

Have a look what the booklet for
XYZ(51.5355, 77.1648, 19.2800)
contains.

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Color

**XYZ(51.4615, 77.1225,
19.1950)**

Conversions

Conversions Part 1

Format	Color
Hex	A7FA4D
RGB	167, 250, 77
RGB Percent	65%, 98%, 30%
CMY	0.3451, 0.0196, 0.6980
CMYK	0.33, 0.00, 0.69, 0.02
HSL	89°, 95%, 64%
HSV	89°, 69%, 98%
XYZ	51.4615, 77.1225, 19.1950
YIQ	205.4610, 6.0650, -71.3990

Conversions

Conversions Part 2

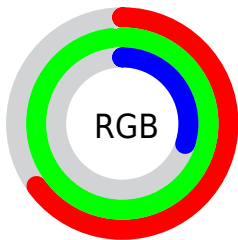
Format	Color
RYB	77, 250, 160
Decimal	11008589
CIELab	90.38, -51.00, 71.27
CIElCh	90, 87.638, 125.590
Yxy	77.1225, 0.3482, 0.5219
Android (android.graphics.Color)	4289198669 (0xFFA7FA4D)
YUV	205.4610, -63.3313, -33.7303
Hunter-Lab	87.8194, -49.0844, 48.5144

Details

The XYZ color **51.4615, 77.1225, 19.1950** is a light color, and the websafe version is hex **99FF66**. The color can be described as light washed chartreuse. A complement of this color would be **34.4100, 19.6858, 92.4330**, and the grayscale version is **58.7127, 61.7703, 67.2678**.

A 20% lighter version of the original color is **71.4972, 89.4380, 36.4166**, and **25.2543, 41.3281, 6.6461** is the 20% darker color. If you saturate the color by 10%, you get **48.3256, 75.5915, 15.2930**, and if you desaturate by 10%, it is **55.1751, 78.9171, 24.8966**.

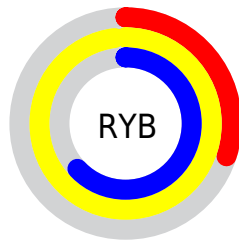
Distribution



Red (65%)

Green (98%)

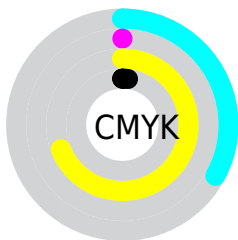
Blue (30%)



Red (30%)

Yellow (98%)

Blue (63%)

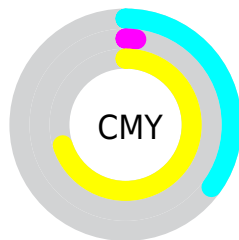


Cyan (33%)

Magenta (0%)

Yellow (69%)

Black (2%)



Cyan (35%)

Magenta (2%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4615, 77.1225, 19.1950 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 51.4615, 77.1225, 19.1950 by changing the saturation by 10% instead.


 51.4615, 77.1225,
19.1950


 51.4615, 77.1225,
19.1950


382.7123,
485.1816, 259.9817

 36.7986, 57.3534,
11.6330


 91.5155, 129.3124,
42.9044

 25.2245, 41.2891,
6.3748


 117.6373,
162.5020, 59.8890


 16.3740, 28.5450,
3.0019


 148.3094,
200.9339, 80.8514

 9.8817, 18.7369,
1.0956

 183.8972,
244.9925, 106.2104

 5.3823, 11.4803,
0.0000

 224.7661,
295.0621, 136.3843

 2.5103, 6.3909,
0.0000

271.2813,

 0.9005, 3.0842,

351.5273, 171.7918

0.0000

323.8083,
414.7723, 212.8514

■ 0.0000, 1.1758,
0.0000

■ 0.0000, 0.0418,
0.0000

■ 51.4615, 77.1225,
19.1950

■ 51.4615, 77.1225,
19.1950

■ 48.3256, 75.5915,
15.2930

■ 55.1751, 78.9171,
24.8966

■ 45.7144, 74.2941,
12.9680


■ 59.5019, 80.9821,
32.5761


■ 43.5604, 73.2053,
11.8917


■ 64.4801, 83.3363,
42.3961

■ 43.4012, 73.1244,
11.8270

■ 70.1426, 85.9934,
54.5007

 76.5200, 88.9662,
69.0216

 83.6407, 92.2669,
86.0806

 91.5313, 95.9065,
105.7911

 93.4773, 96.8545,
108.3758

Harmonies

Analogous

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



69.2842, 77.1225, 12.1130



51.4615, 77.1225, 19.1950



41.3038, 77.1225, 43.4040

Triad

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



51.4615, 77.1225, 19.1950



57.2687, 77.1225, 248.1977



123.5952, 77.1225, 72.7851

Complementary

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



51.4615, 77.1225, 19.1950



34.4100, 19.6858, 92.4330

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.



118.6242, 77.1225, 144.1888



51.4615, 77.1225, 19.1950



77.4735, 77.1225, 269.7762

Square

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



51.4615, 77.1225, 19.1950



44.1602, 77.1225, 175.3151



100.5855, 77.1225, 224.8234



113.0698, 77.1225, 31.5938

Rectangle

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



51.4615, 77.1225, 19.1950



38.8748, 77.1225, 75.0533



100.5855, 77.1225, 224.8234



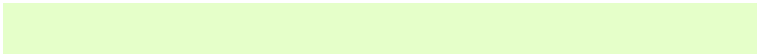
123.7021, 77.1225, 93.5734

Sweetspot

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



51.4633, 77.1259, 19.1967



78.7667, 92.4667, 69.2327



52.9484, 45.2256, 12.9610



16.4566, 19.6042, 13.8927



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.



51.4633, 77.1259, 19.1967



49.4244, 78.5131, 14.8689



39.0743, 70.7391, 18.6169



17.8789, 19.7533, 18.3329



23.1875, 38.8719, 6.2809



2.2700, 3.6633, 0.5875

Inverse Universe

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



34.4100, 19.6858, 92.4330



30.5861, 14.9840, 95.8879



57.3015, 31.4869, 93.5043



17.0755, 17.0515, 21.7766



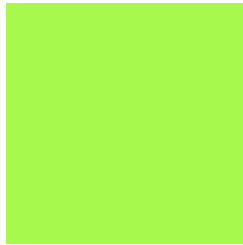
13.4218, 5.8619, 48.3976



1.3647, 0.6056, 4.4881

Previews

White Background



This preview shows how the XYZ color 51.4615, 77.1225, 19.1950 looks on a white background.

Color Contrast Check

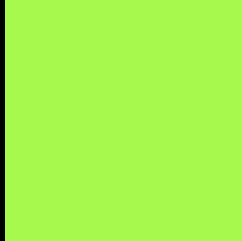
Large Text (above 18pt) WCAG AA × Fail

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 51.4615, 77.1225, 19.1950 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

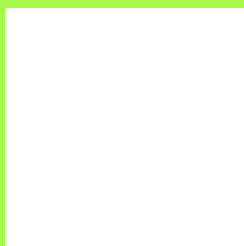
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4615, 77.1225, 19.1950

Background



This preview shows how black text looks on a background with the XYZ color 51.4615, 77.1225, 19.1950.



This preview shows how white text looks on a background with the XYZ color 51.4615, 77.1225,

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

51.4615, 77.1225, 19.1950

Protanopia

69.1144, 76.2757, 17.0412

Deuteranopia

74.9329, 76.1075, 51.8151



Tritanopia

68.4794, 76.9503, 103.3391

Trichromacy



Original Color

51.4615, 77.1225, 19.1950



Protanomaly

61.0351, 75.4273, 17.6454



Deuteranomaly

64.0217, 75.2947, 35.9700



Tritanomaly

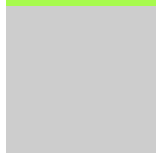
59.5286, 75.8961, 59.0889

Monochromacy



Original Color

51.4615, 77.1225, 19.1950



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.5139, 65.2579, 42.1233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4615, 77.1225, 19.1950 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(167, 250, 77)` looks like.

```
.text, #text, p{  
    color:rgb(167, 250, 77)  
}
```

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(167, 250, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 250, 77) }
```

Border

The CSS property to change the border of an element to XYZ 51.4615, 77.1225, 19.1950 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(167, 250, 77) }
```


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

```
.border{ border-color:rgb(167, 250, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 250, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 250, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 250, 77);  
box-shadow:4px 4px 4px 4px rgb(167, 250,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4615, 77.1225, 19.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 250, 77) }
```

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

```
.background{ background-color: rgb(167,  
250, 77) }
```

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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