

Converting Colors

XYZ(51.5657, 79.3657, 15.8255)

Have a look what the booklet for
XYZ(51.5657, 79.3657, 15.8255)
contains.

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Color

**XYZ(51.6897, 79.6604,
15.9005)**

Conversions

Conversions Part 1

Format	Color
Hex	A4FF34
RGB	164, 255, 52
RGB Percent	64%, 100%, 20%
CMY	0.3569, 0.0000, 0.7960
CMYK	0.36, 0.00, 0.80, 0.00
HSL	87°, 100%, 60%
HSV	87°, 80%, 100%
XYZ	51.6897, 79.6604, 15.9005
YIQ	204.6490, 10.9270, -82.4250

Conversions

Conversions Part 2

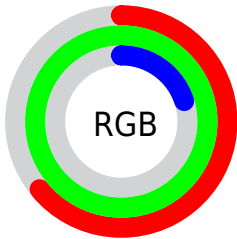
Format	Color
R_{YB}	52, 255, 143
Decimal	10813236
CIE _{Lab}	91.53, -55.38, 80.08
CIE _{LCh}	92, 97.362, 124.665
Yxy	79.6604, 0.3510, 0.5410
Android (android.graphics.Color)	4289003316 (0xFFA4FF34)
YUV	204.6490, -75.2560, -35.6492
Hunter-Lab	89.2527, -52.8159, 51.9143

Details

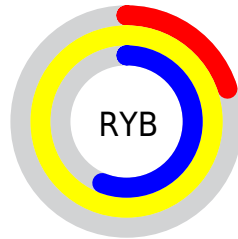
The XYZ color **51.6897, 79.6604, 15.9005** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **30.6079, 15.5174, 95.9897**, and the grayscale version is **58.2638, 61.2981, 66.7536**.

A 20% lighter version of the original color is **69.6529, 88.6282, 29.9589**, and **25.9030, 43.3312, 6.9985** is the 20% darker color. If you saturate the color by 10%, you get **49.0077, 78.3272, 13.5431**, and if you desaturate by 10%, it is **54.8938, 81.2270, 19.9011**.

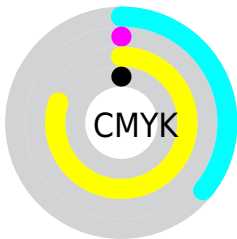
Distribution



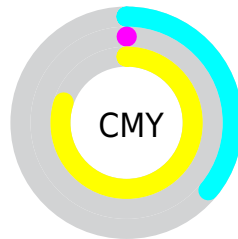
- Red (64%)
- Green (100%)
- Blue (20%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6897, 79.6604, 15.9005 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 51.6897, 79.6604, 15.9005 by changing the saturation by 10% instead.

 51.6897, 79.6604,
15.9005


 51.6897, 79.6604,
15.9005


383.5812,
493.7876, 240.5795


 36.9811, 59.4389,
9.3002


 91.8504, 132.8882,
37.1898

 25.3664, 42.9666,
4.8380


 118.0332,
166.6633, 52.7158


 16.4805, 29.8589,
2.0955


 148.7714,
205.7250, 72.0541

 9.9578, 19.7315,
0.6131

 184.4303,
250.4578, 95.6233

 5.4330, 12.2000,
0.0000

 225.3755,
301.2461, 123.8419

 2.5408, 6.8801,
0.0000

271.9721,

 0.9159, 3.3872,

358.4742, 157.1285

0.0000

324.5855,
422.5266, 195.9015

■ 0.0000, 1.3371,
0.0000

■ 0.0000, 0.1696,
0.0000

■ 51.6897, 79.6604,
15.9005

■ 51.6897, 79.6604,
15.9005

■ 49.0077, 78.3272,
13.5431

■ 54.8938, 81.2270,
19.9011

■ 46.7733, 77.1969,
12.4643

■ 58.6687, 83.0470,
25.7721

■ 46.6908, 77.1550,
12.4316

■ 63.0564, 85.1378,
33.7083

■ 68.0940, 87.5149,
43.8793

■ 73.8153, 90.1923,
56.4371

■ 80.2511, 93.1829,
71.5203

■ 87.4302, 96.4987,
89.2570

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.



71.9003, 79.6604, 9.3896



51.6897, 79.6604, 15.9005



40.2595, 79.6604, 40.4190

Triad

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



51.6897, 79.6604, 15.9005



57.0779, 79.6604, 278.1372



133.9216, 79.6604, 76.0911

Complementary

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



51.6897, 79.6604, 15.9005



30.6079, 15.5174, 95.9897

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.



127.5450, 79.6604, 159.3341



51.6897, 79.6604, 15.9005



79.6620, 79.6604, 306.6551

Square

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



51.6897, 79.6604, 15.9005



42.8605, 79.6604, 189.9852



106.2247, 79.6604, 254.6636



122.1297, 79.6604, 29.9179

Rectangle

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



51.6897, 79.6604, 15.9005



37.4512, 79.6604, 74.6414



106.2247, 79.6604, 254.6636



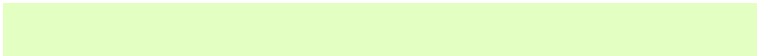
133.8505, 79.6604, 100.0727

Sweetspot

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



51.6899, 79.6605, 15.9017



77.3319, 91.8288, 64.5702



51.2341, 40.2561, 8.3199



16.0680, 19.4300, 12.6939



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.



51.6899, 79.6605, 15.9017



47.5382, 77.5854, 12.7629



38.5961, 72.9104, 15.2889



18.7298, 20.6621, 19.1454



24.5715, 40.4052, 6.5039



2.5183, 3.9990, 0.6392

Inverse Universe

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



30.6079, 15.5174, 95.9897



25.8986, 11.4305, 95.4490



55.7138, 28.4600, 97.1646



17.7762, 17.7764, 22.7442



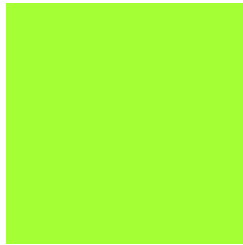
13.2451, 5.7386, 49.8441



1.4132, 0.6224, 4.8589

Previews

White Background



This preview shows how the XYZ color 51.6897, 79.6604, 15.9005 looks on a white background.

Color Contrast Check

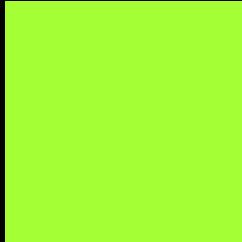
Large Text (above 18pt) WCAG AA × Fail

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 51.6897, 79.6604, 15.9005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

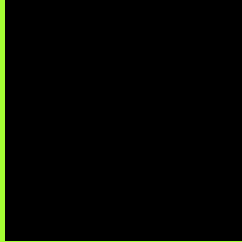
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6897, 79.6604, 15.9005

Background



This preview shows how black text looks on a background with the XYZ color 51.6897, 79.6604, 15.9005.

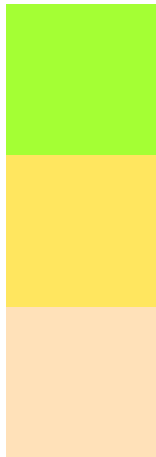


This preview shows how white text looks on a background with the XYZ color 51.6897, 79.6604,

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

51.6897, 79.6604, 15.9005

Protanopia

71.6024, 78.6799, 22.2394

Deuteranopia

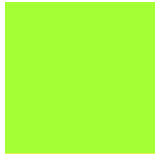
76.9222, 78.6132, 57.0186



Tritanopia

70.3265, 79.1258, 106.1740

Trichromacy



Original Color

51.6897, 79.6604, 15.9005



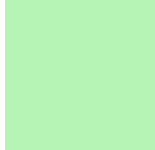
Protanomaly

62.4020, 77.8271, 19.1303



Deuteranomaly

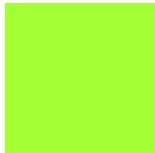
64.6350, 77.3266, 35.1858



Tritanomaly

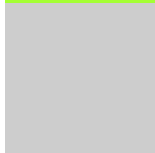
59.9826, 77.9826, 55.6068

Monochromacy



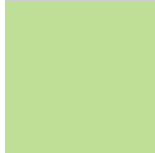
Original Color

51.6897, 79.6604, 15.9005



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.0477, 65.8924, 38.3564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6897, 79.6604, 15.9005 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(164, 255, 52)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 52)  
}
```

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(164, 255, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 52) }
```

Border

The CSS property to change the border of an element to XYZ 51.6897, 79.6604, 15.9005 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(164, 255, 52) }
```


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

```
.border{ border-color:rgb(164, 255, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 255, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 52);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6897, 79.6604, 15.9005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 52) }
```

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

```
.background{ background-color: rgb(164,  
255, 52) }
```

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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