

Converting Colors

XYZ(51.4632, 79.5606, 15.1273)

Have a look what the booklet for
XYZ(51.4632, 79.5606, 15.1273)
contains.

XYZ(51.5435, 79.6020, 15.1307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.5435, 79.6020,
15.1307)**

Conversions

Conversions Part 1

Format	Color
Hex	A4FF2D
RGB	164, 255, 45
RGB Percent	64%, 100%, 18%
CMY	0.3569, 0.0000, 0.8235
CMYK	0.36, 0.00, 0.82, 0.00
HSL	86°, 100%, 59%
HSV	86°, 82%, 100%
XYZ	51.5435, 79.6020, 15.1307
YIQ	203.8510, 13.1740, -84.6020

Conversions

Conversions Part 2

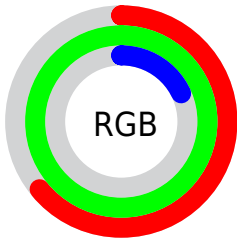
Format	Color
RYB	45, 255, 136
Decimal	10813229
CIELab	91.51, -55.65, 81.76
CIELCh	92, 98.904, 124.240
Yxy	79.6020, 0.3524, 0.5442
Android (android.graphics.Color)	4289003309 (0xFFA4FF2D)
YUV	203.8510, -78.3135, -34.9493
Hunter-Lab	89.2200, -53.0132, 52.3991

Details

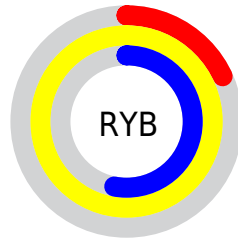
The XYZ color **51.5435, 79.6020, 15.1307** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **29.1441, 14.3328, 95.8382**, and the grayscale version is **57.7743, 60.7830, 66.1927**.

A 20% lighter version of the original color is **69.6806, 88.6752, 28.4824**, and **25.7876, 43.2717, 6.9931** is the 20% darker color. If you saturate the color by 10%, you get **49.0092, 78.3361, 13.1766**, and if you desaturate by 10%, it is **54.5722, 81.0884, 18.6547**.

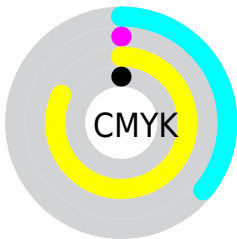
Distribution



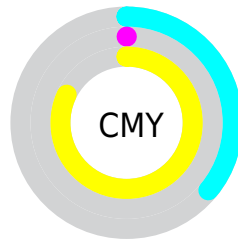
- Red (64%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (53%)



- Cyan (36%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5435, 79.6020, 15.1307 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 51.5435, 79.6020, 15.1307 by changing the saturation by 10% instead.


 51.5435, 79.6020,
15.1307


 51.5435, 79.6020,
15.1307


383.0247,
493.5905, 235.8239

 36.8641, 59.3909,
8.7635


 91.6359, 132.8060,
35.8278

 25.2755, 42.9279,
4.4926


 117.7796,
166.5677, 50.9949


 16.4123, 29.8285,
1.8993


 148.4755,
205.6151, 69.9323

 9.9090, 19.7085,
0.4923

 184.0889,
250.3325, 93.0587

 5.4005, 12.1833,
0.0000

 224.9851,
301.1044, 120.7924

 2.5213, 6.8686,
0.0000

271.5296,

 0.9060, 3.3801,

358.3150, 153.5522

0.0000

324.0877,
422.3490, 191.7565

■ 0.0000, 1.3332,
0.0000

■ 0.0000, 0.1667,
0.0000

■ 51.5435, 79.6020,
15.1307

■ 51.5435, 79.6020,
15.1307

■ 49.0092, 78.3361,
13.1766

■ 54.5722, 81.0884,
18.6547

■ 47.3480, 77.4938,
12.4623

■ 58.1460, 82.8165,
23.9896

■ 62.3083, 84.8038,
31.3387

■ 67.0966, 87.0661,
40.8774

■ 72.5451, 89.6175,
52.7620

■ 78.6849, 92.4710,
67.1344

■ 85.5449, 95.6385,
84.1253

■ 93.1522, 99.1313,
103.8563

■ 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.



72.1337, 79.6020, 8.8769



51.5435, 79.6020, 15.1307



39.8780, 79.6020, 39.2771

Triad

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



51.5435, 79.6020, 15.1307



56.4976, 79.6020, 281.2968



134.9850, 79.6020, 76.8143

Complementary

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



51.5435, 79.6020, 15.1307



29.1441, 14.3328, 95.8382

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.



128.2146, 79.6020, 162.0351



51.5435, 79.6020, 15.1307



79.2980, 79.6020, 311.7240

Square

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



51.5435, 79.6020, 15.1307



42.2611, 79.6020, 190.5220



106.3221, 79.6020, 259.4042



123.1904, 79.6020, 29.6995

Rectangle

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



51.5435, 79.6020, 15.1307



36.9699, 79.6020, 73.4810



106.3221, 79.6020, 259.4042



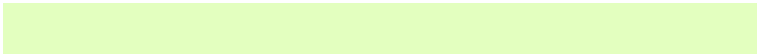
134.8203, 79.6020, 101.3564

Sweetspot

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



51.5436, 79.6020, 15.1318



76.9880, 91.6843, 63.0737



50.5189, 39.0597, 7.3604



16.0138, 19.4083, 12.4085



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.



51.5436, 79.6020, 15.1318



47.5568, 77.5999, 12.5450



38.0381, 72.6397, 14.4998



18.7567, 20.6760, 19.1466



24.9148, 40.5821, 6.5200



2.5512, 4.0159, 0.6407

Inverse Universe

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



29.1441, 14.3328, 95.8382



24.7536, 10.7169, 95.3717



55.2647, 27.7985, 97.0606



17.7497, 17.7627, 22.7430



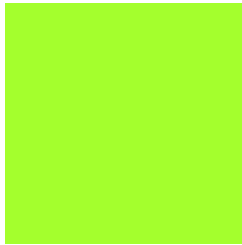
12.9882, 5.6061, 49.8321



1.3871, 0.6090, 4.8577

Previews

White Background



This preview shows how the XYZ color 51.5435, 79.6020, 15.1307 looks on a white background.

Color Contrast Check

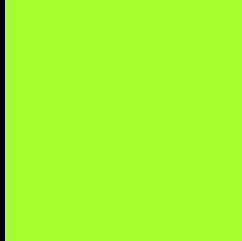
Large Text (above 18pt) WCAG AA × Fail

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 51.5435, 79.6020, 15.1307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

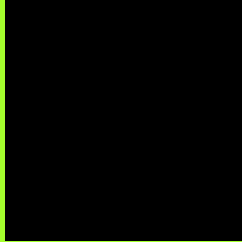
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

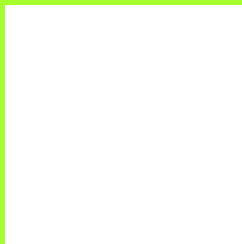
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.5435, 79.6020, 15.1307

Background



This preview shows how black text looks on a background with the XYZ color 51.5435, 79.6020, 15.1307.

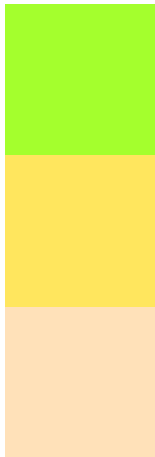


This preview shows how white text looks on a background with the XYZ color 51.5435, 79.6020,

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

51.5435, 79.6020, 15.1307

Protanopia

71.5572, 78.6618, 22.0014

Deuteranopia

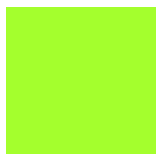
76.9222, 78.6132, 57.0186



Tritanopia

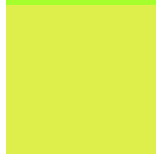
70.3265, 79.1258, 106.1740

Trichromacy



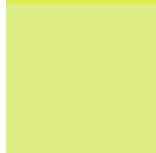
Original Color

51.5435, 79.6020, 15.1307



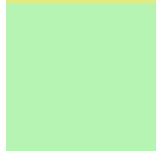
Protanomaly

62.2952, 77.7844, 18.5681



Deuteranomaly

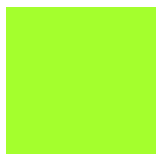
64.4227, 77.2417, 34.0680



Tritanomaly

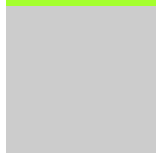
59.7788, 77.9011, 54.5336

Monochromacy



Original Color

51.5435, 79.6020, 15.1307



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.5622, 65.6695, 37.0993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5435, 79.6020, 15.1307 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 45) }
```

Border

The CSS property to change the border of an element to XYZ 51.5435, 79.6020, 15.1307 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, 45) }
```


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

```
.border{ border-color:rgb(164, 255, 45) }
```

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, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 45);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5435, 79.6020, 15.1307 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, 45) }
```

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

```
.background{ background-color: rgb(164,  
255, 45) }
```

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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