

Converting Colors

XYZ(51.6054, 79.6196, 15.7802)

Have a look what the booklet for
XYZ(51.6054, 79.6196, 15.7802)
contains.

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Color

**XYZ(51.6674, 79.6515,
15.7831)**

Conversions

Conversions Part 1

Format	Color
Hex	A4FF33
RGB	164, 255, 51
RGB Percent	64%, 100%, 20%
CMY	0.3569, 0.0000, 0.8000
CMYK	0.36, 0.00, 0.80, 0.00
HSL	87°, 100%, 60%
HSV	87°, 80%, 100%
XYZ	51.6674, 79.6515, 15.7831
YIQ	204.5350, 11.2480, -82.7360

Conversions

Conversions Part 2

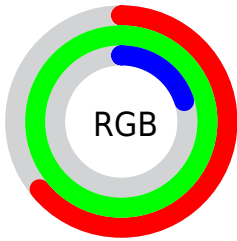
Format	Color
RYB	51, 255, 142
Decimal	10813235
CIELab	91.53, -55.42, 80.33
CIELCh	92, 97.594, 124.600
Yxy	79.6515, 0.3512, 0.5415
Android (android.graphics.Color)	4289003315 (0xFFA4FF33)
YUV	204.5350, -75.6928, -35.5492
Hunter-Lab	89.2477, -52.8460, 51.9882

Details

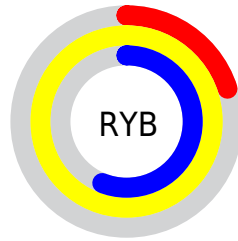
The XYZ color **51.6674, 79.6515, 15.7831** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **30.3914, 15.3402, 95.9669**, and the grayscale version is **58.1937, 61.2243, 66.6733**.

A 20% lighter version of the original color is **69.5950, 88.6051, 29.6541**, and **25.9030, 43.3312, 6.9985** is the 20% darker color. If you saturate the color by 10%, you get **49.0071, 78.3282, 13.4847**, and if you desaturate by 10%, it is **54.8459, 81.2064, 19.7145**.

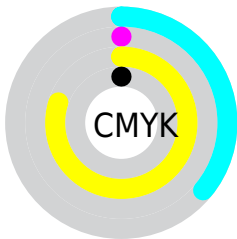
Distribution



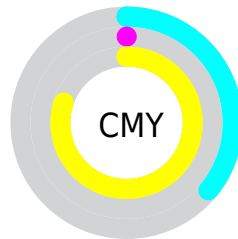
- Red (64%)
- Green (100%)
- Blue (20%)



- 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 51.6674, 79.6515, 15.7831 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 51.6674, 79.6515, 15.7831 by changing the saturation by 10% instead.


 51.6674, 79.6515,
15.7831


 51.6674, 79.6515,
15.7831


383.4963,
493.7576, 239.8603

 36.9632, 59.4316,
9.2181


 91.8177, 132.8756,
36.9828

 25.3526, 42.9607,
4.7850


 117.9945,
166.6487, 52.4546


 16.4701, 29.8543,
2.0651


 148.7262,
205.7083, 71.7323

 9.9503, 19.7280,
0.5949

 184.3783,
250.4387, 95.2347

 5.4281, 12.1975,
0.0000

 225.3159,
301.2245, 123.3801

 2.5379, 6.8783,
0.0000

271.9046,

 0.9144, 3.3861,

358.4500, 156.5871

0.0000

324.5096,
422.4995, 195.2743

0.0000, 1.3365,
0.0000

0.0000, 0.1692,
0.0000

51.6674, 79.6515,
15.7831

51.6674, 79.6515,
15.7831

49.0071, 78.3282,
13.4847

54.8459, 81.2064,
19.7145

46.7869, 77.2046,
12.4363

58.5914, 83.0129,
25.5080

46.7861, 77.2041,
12.4360

62.9462, 85.0886,
33.3595

67.9474, 87.4489,
43.4395

■ 73.6288, 90.1078,
55.9004

■ 80.0213, 93.0783,
70.8814

■ 87.1538, 96.3725,
88.5109

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.



71.9350, 79.6515, 9.3112



51.6674, 79.6515, 15.7831



40.2018, 79.6515, 40.2461

Triad

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



51.6674, 79.6515, 15.7831



56.9904, 79.6515, 278.6119



134.0811, 79.6515, 76.1988

Complementary

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



51.6674, 79.6515, 15.7831



30.3914, 15.3402, 95.9669

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.



127.6457, 79.6515, 159.7374



51.6674, 79.6515, 15.7831



79.6073, 79.6515, 307.4142

Square

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



51.6674, 79.6515, 15.7831



42.7700, 79.6515, 190.0670



106.2396, 79.6515, 255.3723



122.2886, 79.6515, 29.8845

Rectangle

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



51.6674, 79.6515, 15.7831



37.3784, 79.6515, 74.4666



106.2396, 79.6515, 255.3723



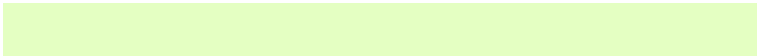
133.9961, 79.6515, 100.2641

Sweetspot

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



51.6676, 79.6516, 15.7843



77.3745, 91.8508, 64.5722



51.1292, 40.0821, 8.1749



16.0782, 19.4352, 12.6944



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.



51.6676, 79.6516, 15.7843



47.6334, 77.6345, 12.7673



38.5120, 72.8696, 15.1686



18.7337, 20.6642, 19.1455



24.6213, 40.4308, 6.5063



2.5231, 4.0014, 0.6394

Inverse Universe

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



30.3914, 15.3402, 95.9669



25.8243, 11.3921, 95.4456



55.6468, 28.3599, 97.1488



17.7723, 17.7743, 22.7440



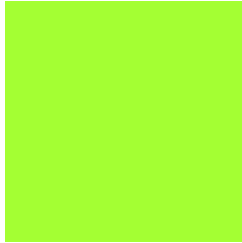
13.2067, 5.7188, 49.8423



1.4093, 0.6204, 4.8587

Previews

White Background



This preview shows how the XYZ color 51.6674, 79.6515, 15.7831 looks on a white background.

Color Contrast Check

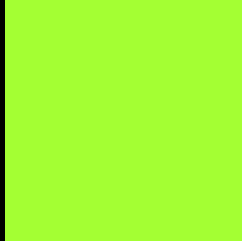
Large Text (above 18pt) WCAG AA × Fail

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 51.6674, 79.6515, 15.7831 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

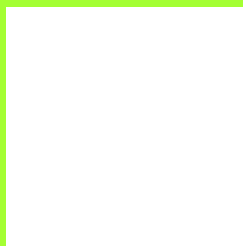
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6674, 79.6515, 15.7831

Background



This preview shows how black text looks on a background with the XYZ color 51.6674, 79.6515, 15.7831.

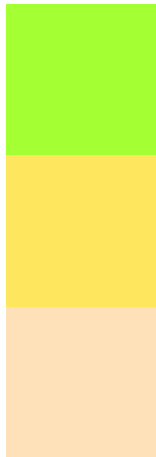


This preview shows how white text looks on a background with the XYZ color 51.6674, 79.6515,

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

51.6674, 79.6515, 15.7831

Protanopia

71.6024, 78.6799, 22.2394

Deuteranopia

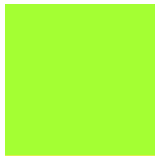
76.9222, 78.6132, 57.0186



Tritanopia

70.3265, 79.1258, 106.1740

Trichromacy



Original Color

51.6674, 79.6515, 15.7831



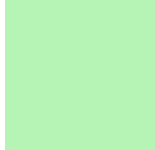
Protanomaly

62.4020, 77.8271, 19.1303



Deuteranomaly

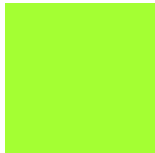
64.5636, 77.2981, 34.8097



Tritanomaly

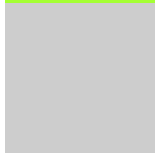
59.9826, 77.9826, 55.6068

Monochromacy



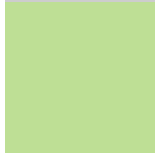
Original Color

51.6674, 79.6515, 15.7831



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 51.6674, 79.6515, 15.7831 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 51.6674, 79.6515, 15.7831 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, 51) }
```


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

```
.border{ border-color:rgb(164, 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(164, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6674, 79.6515, 15.7831 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, 51) }
```

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

```
.background{ background-color: rgb(164,  
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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