

# Converting Colors

XYZ(51.6554, 79.6574, 15.2403)

Have a look what the booklet for  
XYZ(51.6554, 79.6574, 15.2403)  
contains.

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# Color

**XYZ(51.5630, 79.6098,  
15.2333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4FF2E
RGB	164, 255, 46
RGB Percent	64%, 100%, 18%
CMY	0.3569, 0.0000, 0.8196
CMYK	0.36, 0.00, 0.82, 0.00
HSL	86°, 100%, 59%
HSV	86°, 82%, 100%
XYZ	51.5630, 79.6098, 15.2333
YIQ	203.9650, 12.8530, -84.2910

# Conversions

## Conversions Part 2

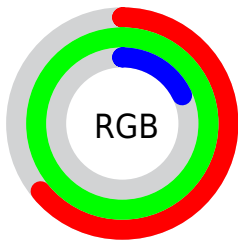
Format	Color
<a href="#">RYB</a>	<a href="#">46, 255, 137</a>
Decimal	<a href="#">10813230</a>
CIELab	<a href="#">91.51, -55.61, 81.53</a>
CIELCh	<a href="#">92, 98.695, 124.297</a>
Yxy	<a href="#">79.6098, 0.3522, 0.5438</a>
Android (android.graphics.Color)	<a href="#">4289003310 (0xFFA4FF2E)</a>
YUV	<a href="#">203.9650, -77.8767, -35.0493</a>
Hunter-Lab	<a href="#">89.2243, -52.9869, 52.3344</a>

# Details

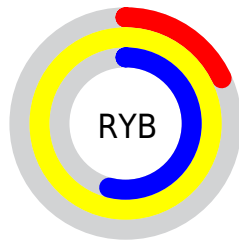
The XYZ color **51.5630, 79.6098, 15.2333** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **29.3458, 14.4941, 95.8587**, and the grayscale version is **57.8440, 60.8564, 66.2727**.

A 20% lighter version of the original color is **69.7360, 88.6974, 28.7741**, and **25.7876, 43.2717, 6.9931** is the 20% darker color. If you saturate the color by 10%, you get **49.0081, 78.3345, 13.2230**, and if you desaturate by 10%, it is **54.6161, 81.1074, 18.8243**.

# Distribution



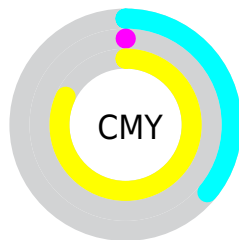
- Red (64%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (54%)



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5630, 79.6098, 15.2333 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 51.5630, 79.6098, 15.2333 by changing the saturation by 10% instead.





 51.5630, 79.6098,  
15.2333


 51.5630, 79.6098,  
15.2333


383.0989,  
493.6169, 236.4632

 36.8797, 59.3973,  
8.8348


 91.6645, 132.8170,  
36.0100

 25.2876, 42.9330,  
4.5383


 117.8134,  
166.5805, 51.2254


 16.4214, 29.8326,  
1.9250

 148.5149,  
205.6298, 70.2167

 9.9155, 19.7115,  
0.5086

 184.1344,  
250.3492, 93.4027

 5.4048, 12.1855,  
0.0000

 225.0372,  
301.1233, 121.2018

 2.5239, 6.8702,  
0.0000

271.5886,

 0.9073, 3.3810,

358.3363, 154.0326

0.0000

324.1541,  
422.3727, 192.3135

■ 0.0000, 1.3337,  
0.0000

■ 0.0000, 0.1671,  
0.0000

■ 51.5630, 79.6098,  
15.2333

■ 51.5630, 79.6098,  
15.2333

■ 49.0081, 78.3345,  
13.2230

■ 54.6161, 81.1074,  
18.8243

■ 47.2555, 77.4461,  
12.4580

■ 58.2181, 82.8483,  
24.2348

■ 62.4118, 84.8501,  
31.6669

■ 67.2350, 87.1284,  
41.2952

■ 72.7216, 89.6973,  
53.2752

■ 78.9027, 92.5699,  
67.7485

■ 85.8072, 95.7580,  
84.8453

■ 93.4622, 99.2731,  
104.6869

■ 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.



72.1018, 79.6098, 8.9450



51.5630, 79.6098, 15.2333



39.9293, 79.6098, 39.4304

# Triad

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



51.5630, 79.6098, 15.2333



56.5758, 79.6098, 280.8691



134.8409, 79.6098, 76.7156

# Complementary

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



51.5630, 79.6098, 15.2333



29.3458, 14.4941, 95.8587

# 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.



128.1240, 79.6098, 161.6673



51.5630, 79.6098, 15.2333



79.3473, 79.6098, 311.0357

# Square

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



51.5630, 79.6098, 15.2333



42.3418, 79.6098, 190.4503



106.3091, 79.6098, 258.7594



123.0465, 79.6098, 29.7286



# Rectangle

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



51.5630, 79.6098, 15.2333



37.0346, 79.6098, 73.6377



106.3091, 79.6098, 258.7594



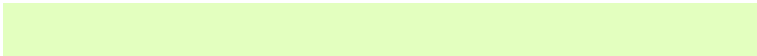
134.6890, 79.6098, 101.1814

# Sweetspot

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



51.5631, 79.6098, 15.2344



76.9462, 91.6628, 63.0718



50.6184, 39.2274, 7.4896



16.0038, 19.4031, 12.4080



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.



51.5631, 79.6098, 15.2344



47.6751, 77.6592, 12.6234



38.1134, 72.6762, 14.6050



18.7530, 20.6741, 19.1464



24.8665, 40.5572, 6.5177



2.5466, 4.0136, 0.6405



# Inverse Universe

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



29.3458, 14.4941, 95.8587



25.0336, 10.9024, 95.3927



55.3260, 27.8875, 97.0746



17.7534, 17.7646, 22.7432



13.0232, 5.6242, 49.8338

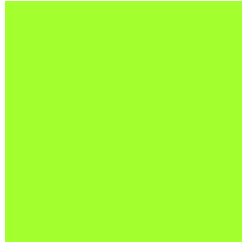


1.3906, 0.6108, 4.8579



# Previews

## White Background



This preview shows how the XYZ color 51.5630, 79.6098, 15.2333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

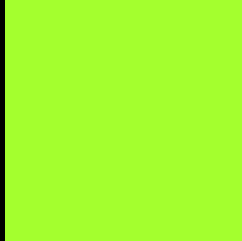
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.5630, 79.6098, 15.2333 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 51.5630, 79.6098, 15.2333**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.5630, 79.6098, 15.2333.



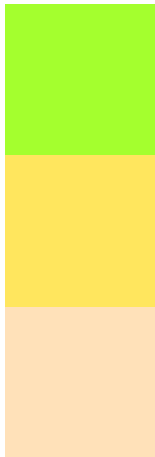
This preview shows how white text looks on a background with the XYZ color 51.5630, 79.6098,



# 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

51.5630, 79.6098, 15.2333

### Protanopia

71.5572, 78.6618, 22.0014

### Deuteranopia

76.9222, 78.6132, 57.0186



## Tritanopia

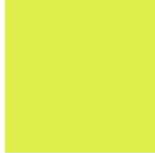
70.3265, 79.1258, 106.1740

# Trichromacy



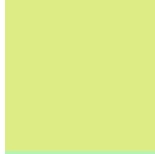
## Original Color

51.5630, 79.6098, 15.2333



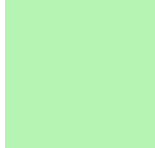
## Protanomaly

62.3303, 77.7984, 18.7526



## Deuteranomaly

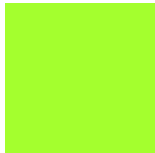
64.4227, 77.2417, 34.0680



## Tritanomaly

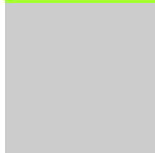
59.7788, 77.9011, 54.5336

# Monochromacy



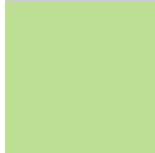
## Original Color

51.5630, 79.6098, 15.2333



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

52.6404, 65.7008, 37.5108

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5630, 79.6098, 15.2333 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 46) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5630, 79.6098, 15.2333 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, 46) }
```



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

```
.border{ border-color:rgb(164, 255, 46) }
```

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, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 46);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
46) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5630, 79.6098, 15.2333 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, 46) }
```

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

```
.background{ background-color: rgb(164,  
255, 46) }
```

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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