

# Converting Colors

XYZ(54.9281, 81.3323, 15.9421)

Have a look what the booklet for  
XYZ(54.9281, 81.3323, 15.9421)  
contains.

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# Color

**XYZ(54.9479, 81.3427,  
15.9366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3FF33
RGB	179, 255, 51
RGB Percent	70%, 100%, 20%
CMY	0.2980, 0.0000, 0.8000
CMYK	0.30, 0.00, 0.80, 0.00
HSL	82°, 100%, 60%
HSV	82°, 80%, 100%
XYZ	54.9479, 81.3427, 15.9366
YIQ	209.0200, 20.1880, -79.5560

# Conversions

## Conversions Part 2

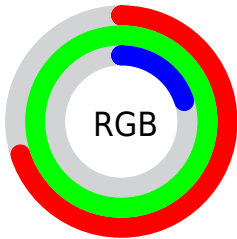
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 255, 127
Decimal	11796275
CIELab	92.28, -50.22, 81.30
CIELCh	92, 95.555, 121.704
Yxy	81.3427, 0.3610, 0.5344
Android (android.graphics.Color)	4289986355 (0xFFB3FF33)
YUV	209.0200, -77.9039, -26.3275
Hunter-Lab	90.1902, -49.0826, 52.6566

# Details

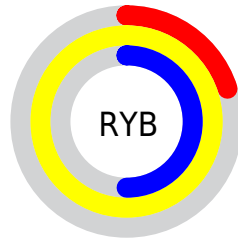
The XYZ color **54.9479, 81.3427, 15.9366** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **27.9882, 14.1013, 95.8544**, and the grayscale version is **61.1010, 64.2830, 70.0042**.

A 20% lighter version of the original color is **74.4511, 91.1085, 29.8814**, and **27.9398, 44.3812, 7.0939** is the 20% darker color. If you saturate the color by 10%, you get **52.4104, 80.0827, 13.6440**, and if you desaturate by 10%, it is **57.9447, 82.8039, 19.8595**.

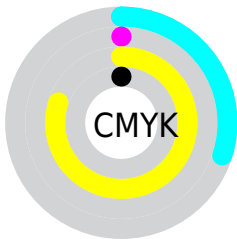
# Distribution



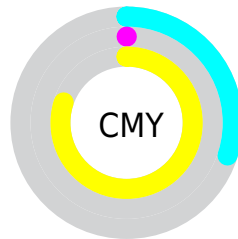
- Red (70%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (50%)



- Cyan (30%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9479, 81.3427, 15.9366 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 54.9479, 81.3427, 15.9366 by changing the saturation by 10% instead.




 54.9479, 81.3427,  
15.9366


 54.9479, 81.3427,  
15.9366


395.8540,  
499.4464, 240.8002

 39.5937, 60.8239,  
9.3254


 96.6134, 135.2519,  
37.2534


 27.4047, 44.0831,  
4.8544


 123.6554,  
169.4110, 52.7960


 18.0155, 30.7358,  
2.1048


 155.3240,  
208.8857, 72.1530

 11.0609, 20.3978,  
0.6186

 191.9846,  
254.0603, 95.7427

 6.1754, 12.6845,  
0.0000

 234.0025,  
305.3193, 123.9837

 2.9937, 7.2117,  
0.0000

281.7432,

 1.1504, 3.5948,

363.0471, 157.2946

0.0000

335.5719,  
427.6280, 196.0940

0.0667, 1.4496,  
0.0000

0.0000, 0.2528,  
0.0000

54.9479, 81.3427,  
15.9366

54.9479, 81.3427,  
15.9366

52.4104, 80.0827,  
13.6440

57.9447, 82.8039,  
19.8595

50.2569, 78.9934,  
12.5987

61.4476, 84.4853,  
25.6416

50.2561, 78.9930,  
12.5984

65.4964, 86.4033,  
33.4788

70.1263, 88.5722,  
43.5413

■ 75.3689, 91.0049,  
55.9817

■ 81.2532, 93.7134,  
70.9389

■ 87.8061, 96.7088,  
88.5413

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.



75.9108, 81.3427, 10.3186



54.9479, 81.3427, 15.9366



42.5871, 81.3427, 38.4786

# Triad

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



54.9479, 81.3427, 15.9366



56.9182, 81.3427, 270.3811



135.1532, 81.3427, 84.5868

# Complementary

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



54.9479, 81.3427, 15.9366



27.9882, 14.1013, 95.8544

# 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.



127.1144, 81.3427, 169.9394



54.9479, 81.3427, 15.9366



78.7340, 81.3427, 305.9032

# Square

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



54.9479, 81.3427, 15.9366



43.5428, 81.3427, 180.9824



105.0494, 81.3427, 261.9624



125.1582, 81.3427, 34.6001



# Rectangle

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



54.9479, 81.3427, 15.9366



39.2021, 81.3427, 70.3587



105.0494, 81.3427, 261.9624



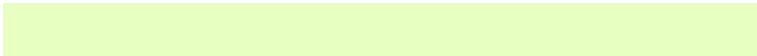
134.4636, 81.3427, 109.6765

# Sweetspot

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



54.9480, 81.3427, 15.9378



78.8184, 92.5951, 64.6397



49.2739, 36.3713, 7.5564



16.4256, 19.6143, 12.7107



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.



54.9480, 81.3427, 15.9378



51.0834, 79.4130, 12.9288



39.5168, 73.3876, 15.2156



18.8669, 20.7328, 19.1518



26.4305, 41.3635, 6.5909



2.6943, 4.0897, 0.6474



# Inverse Universe

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



27.9882, 14.1013, 95.8544



23.5730, 10.2316, 95.3402



51.1662, 26.0500, 96.9391



17.6423, 17.7073, 22.7380



12.0487, 5.1218, 49.7882

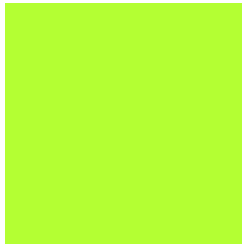


1.2891, 0.5585, 4.8531



# Previews

## White Background



This preview shows how the XYZ color 54.9479, 81.3427, 15.9366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

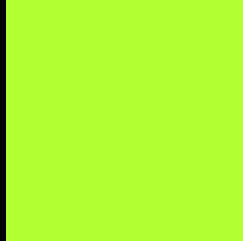
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.9479, 81.3427, 15.9366 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 54.9479, 81.3427, 15.9366**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.9479, 81.3427, 15.9366.



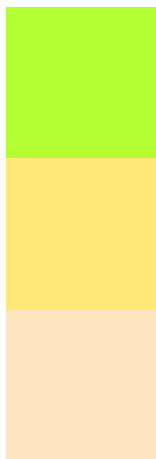
This preview shows how white text looks on a background with the XYZ color 54.9479, 81.3427,



# 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

54.9479, 81.3427, 15.9366

### Protanopia

73.4868, 80.3293, 29.4012

### Deuteranopia

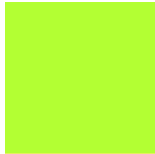
78.4978, 80.5526, 61.2801



## Tritanopia

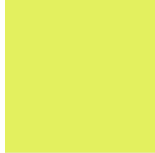
73.5110, 80.7675, 106.3230

# Trichromacy



## Original Color

54.9479, 81.3427, 15.9366



## Protanomaly

64.9042, 79.4773, 22.7463



## Deuteranomaly

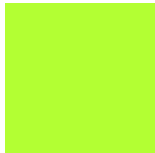
67.0608, 79.4031, 36.9911



## Tritanomaly

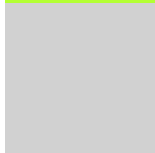
63.4561, 79.7733, 55.7694

# Monochromacy



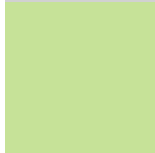
## Original Color

54.9479, 81.3427, 15.9366



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

56.1526, 68.6655, 40.0000

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.9479, 81.3427, 15.9366 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(179, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 54.9479, 81.3427, 15.9366 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(179, 255, 51) }
```



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

```
.border{ border-color:rgb(179, 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(179, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.9479, 81.3427, 15.9366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 51) }
```

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

```
.background{ background-color: rgb(179,  
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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