

# Converting Colors

XYZ(59.6920, 83.7567, 17.5921)

Have a look what the booklet for  
XYZ(59.6920, 83.7567, 17.5921)  
contains.

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# Color

**XYZ(59.6555, 83.7381,  
17.5763)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FF3E
RGB	197, 255, 62
RGB Percent	77%, 100%, 24%
CMY	0.2275, 0.0000, 0.7568
CMYK	0.23, 0.00, 0.76, 0.00
HSL	78°, 100%, 62%
HSV	78°, 76%, 100%
XYZ	59.6555, 83.7381, 17.5763
YIQ	215.6560, 27.3850, -72.3190

# Conversions

## Conversions Part 2

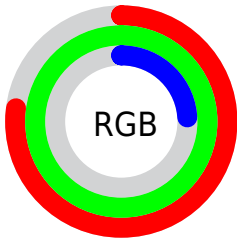
Format	Color
<a href="#">RYB</a>	<a href="#">62, 255, 120</a>
Decimal	<a href="#">12975934</a>
CIELab	<a href="#">93.34, -43.18, 79.61</a>
CIELCh	<a href="#">93, 90.571, 118.476</a>
Yxy	<a href="#">83.7381, 0.3706, 0.5202</a>
Android (android.graphics.Color)	<a href="#">4291166014 (0xFFC5FF3E)</a>
YUV	<a href="#">215.6560, -75.7524, -16.3613</a>
Hunter-Lab	<a href="#">91.5085, -43.7736, 52.6680</a>

# Details

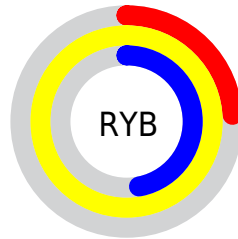
The XYZ color **59.6555, 83.7381, 17.5763** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **27.5199, 14.6598, 95.9869**, and the grayscale version is **65.5222, 68.9345, 75.0697**.

A 20% lighter version of the original color is **80.5752, 94.2101, 32.6765**, and **30.6753, 45.7914, 7.2219** is the 20% darker color. If you saturate the color by 10%, you get **57.1560, 82.5124, 14.6241**, and if you desaturate by 10%, it is **62.5852, 85.1478, 22.2626**.

# Distribution



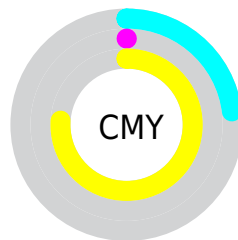
- Red (77%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (47%)



- Cyan (23%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6555, 83.7381, 17.5763 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 59.6555, 83.7381, 17.5763 by changing the saturation by 10% instead.




 59.6555, 83.7381,  
17.5763


 59.6555, 83.7381,  
17.5763


413.1819,  
507.4431, 250.6273


 43.3894, 62.7992,  
10.4799


 103.4390,  
138.6088, 40.1182


 30.3866, 45.6788,  
5.6086


 131.6870,  
173.3093, 56.4007


 20.2818, 31.9924,  
2.5437

 164.6598,  
213.3659, 76.5825

 12.7095, 21.3557,  
0.8632

 202.7227,  
259.1630, 101.0819

 7.3044, 13.3843,  
0.0000

 246.2410,  
311.0848, 130.3175

 3.7012, 7.6937,  
0.0000

295.5800,

 1.5345, 3.8996,

369.5158, 164.7080

0.0000

351.1052,  
434.8405, 204.6717

■ 0.3491, 1.6175,  
0.0000

■ 0.0000, 0.3694,  
0.0000

■ 59.6555, 83.7381,  
17.5763

■ 59.6555, 83.7381,  
17.5763

■ 57.1560, 82.5124,  
14.6241

■ 62.5852, 85.1478,  
22.2626

■ 55.0346, 81.4494,  
13.1375

■ 65.9868, 86.7581,  
28.8932

■ 54.2038, 81.0281,  
12.7832

■ 69.8966, 88.5839,  
37.6525

■ 74.3468, 90.6381,  
48.7021

■ 79.3664, 92.9325,  
62.1884

■ 84.9824, 95.4780,  
78.2454

■ 91.2195, 98.2848,  
96.9973

■ 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.



80.8174, 83.7381, 12.7992



59.6555, 83.7381, 17.5763



46.5331, 83.7381, 38.2793

# Triad

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



59.6555, 83.7381, 17.5763



57.9280, 83.7381, 255.3422



134.8386, 83.7381, 94.7172

# Complementary

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



59.6555, 83.7381, 17.5763



27.5199, 14.6598, 95.9869

# 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.



125.4637, 83.7381, 178.5967



59.6555, 83.7381, 17.5763



78.3762, 83.7381, 295.7454

# Square

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



59.6555, 83.7381, 17.5763



45.6849, 83.7381, 169.2845



103.5350, 83.7381, 262.3508



127.1242, 83.7381, 41.7755



# Rectangle

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



59.6555, 83.7381, 17.5763



42.5634, 83.7381, 67.3609



103.5350, 83.7381, 262.3508



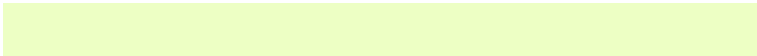
133.5511, 83.7381, 120.0324

# Sweetspot

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



59.6556, 83.7382, 17.5775



80.8137, 93.5904, 66.2391



48.8148, 35.0181, 8.7449



16.8825, 19.8435, 13.0198



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.



59.6556, 83.7382, 17.5775



55.9849, 81.9285, 13.6711



41.9526, 74.6119, 16.7490



18.9986, 20.8007, 19.1579



28.4808, 42.4205, 6.6869



2.8836, 4.1873, 0.6563



# Inverse Universe

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



27.5199, 14.6598, 95.9869



22.8381, 10.1417, 95.3616



48.2108, 25.3263, 96.9552



17.5162, 17.6423, 22.7321



11.1462, 4.6565, 49.7459

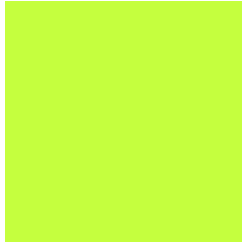


1.1900, 0.5074, 4.8485



# Previews

## White Background



This preview shows how the XYZ color 59.6555, 83.7381, 17.5763 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

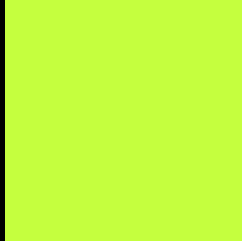
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.6555, 83.7381, 17.5763 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 59.6555, 83.7381, 17.5763**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.6555, 83.7381, 17.5763.



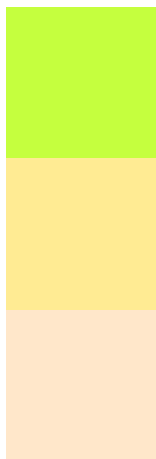
This preview shows how white text looks on a background with the XYZ color 59.6555, 83.7381,



# 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

59.6555, 83.7381, 17.5763

### Protanopia

76.2148, 82.7832, 39.5656

### Deuteranopia

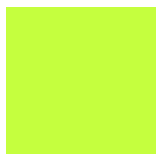
80.4766, 82.6761, 67.5936



## **Tritanopia**

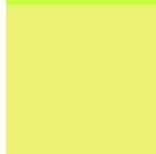
78.1397, 83.5847, 106.6228

# Trichromacy



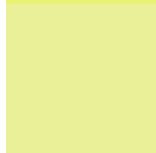
## Original Color

59.6555, 83.7381, 17.5763



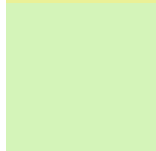
## Protanomaly

68.8362, 82.2576, 28.7723



## Deuteranomaly

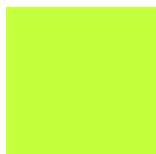
70.6777, 82.0470, 41.3897



## Tritanomaly

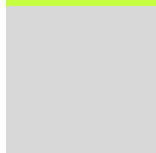
68.2590, 82.2012, 58.1677

# Monochromacy



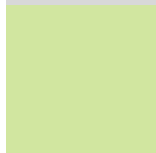
## Original Color

59.6555, 83.7381, 17.5763



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

60.9365, 72.6870, 44.0760

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.6555, 83.7381, 17.5763 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(197, 255, 62)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 62)  
}
```

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(197, 255, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 62) }
```

## Border

The CSS property to change the border of an element to XYZ 59.6555, 83.7381, 17.5763 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(197, 255, 62) }
```



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

```
.border{ border-color:rgb(197, 255, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 62);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
62) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.6555, 83.7381, 17.5763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 62) }
```

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

```
.background{ background-color: rgb(197,  
255, 62) }
```

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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