

Converting Colors

XYZ(59.6325, 83.6739, 19.9441)

Have a look what the booklet for
XYZ(59.6325, 83.6739, 19.9441)
contains.

XYZ(59.6052, 83.6579, 20.0272)	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(59.6052, 83.6579,
20.0272)**

Conversions

Conversions Part 1

Format	Color
Hex	C3FF4D
RGB	195, 255, 77
RGB Percent	76%, 100%, 30%
CMY	0.2353, 0.0000, 0.6980
CMYK	0.24, 0.00, 0.70, 0.00
HSL	80°, 100%, 65%
HSV	80°, 70%, 100%
XYZ	59.6052, 83.6579, 20.0272
YIQ	216.7680, 21.3780, -68.0780

Conversions

Conversions Part 2

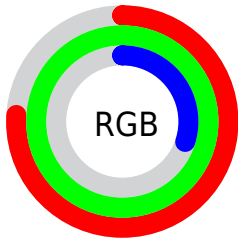
Format	Color
RYB	77, 255, 137
Decimal	12844877
CIELab	93.30, -43.15, 74.71
CIElCh	93, 86.277, 120.011
Yxy	83.6579, 0.3650, 0.5123
Android (android.graphics.Color)	4291034957 (0xFFC3FF4D)
YUV	216.7680, -68.9056, -19.0905
Hunter-Lab	91.4647, -43.7393, 51.0431

Details

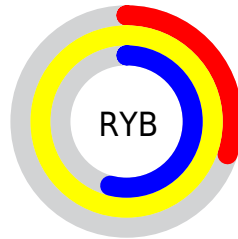
The XYZ color **59.6052, 83.6579, 20.0272** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **31.0219, 17.8475, 96.4176**, and the grayscale version is **66.2410, 69.6907, 75.8932**.

A 20% lighter version of the original color is **81.3732, 94.5293, 36.8788**, and **30.5106, 45.7065, 7.2142** is the 20% darker color. If you saturate the color by 10%, you get **56.7167, 82.2532, 16.0780**, and if you desaturate by 10%, it is **62.9745, 85.2696, 25.8419**.

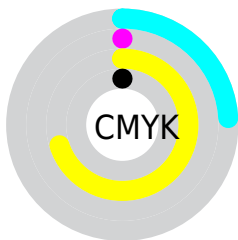
Distribution



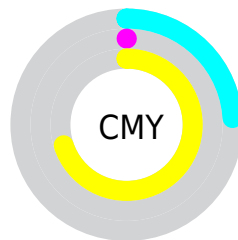
- Red (76%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (54%)



- Cyan (24%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6052, 83.6579, 20.0272 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 59.6052, 83.6579, 20.0272 by changing the saturation by 10% instead.


 59.6052, 83.6579,
20.0272


 59.6052, 83.6579,
20.0272


412.9991,
507.1765, 264.6714


 43.3487, 62.7330,
12.2305


 103.3664,
138.4965, 44.3224


 30.3545, 45.6253,
6.7764


 131.6018,
173.1791, 61.6579

 20.2573, 31.9502,
3.2464


 164.5608,
213.2163, 83.0102

 12.6915, 21.3235,
1.2218

 202.6090,
258.9926, 108.7978

 7.2920, 13.3607,
0.0000

246.1115,
310.8924, 139.4391

 3.6933, 7.6774,
0.0000

295.4338,

 1.5301, 3.8892,

369.3000, 175.3528

0.0000

350.9412,
434.6000, 216.9574

0.3462, 1.6118,
0.0000

0.0000, 0.3655,
0.0000

59.6052, 83.6579,
20.0272

59.6052, 83.6579,
20.0272

56.7167, 82.2532,
16.0780

62.9745, 85.2696,
25.8419

54.2625, 81.0369,
13.7594

66.8632, 87.1042,
33.7129

52.1705, 79.9796,
12.7025

71.3057, 89.1754,
43.8110

52.1310, 79.9596,
12.6862

76.3327, 91.4960,
56.2884

81.9727, 94.0774,
71.2839

88.2517, 96.9304,
88.9255

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.



79.5060, 83.6579, 14.5174



59.6052, 83.6579, 20.0272



47.3624, 83.6579, 41.7740

Triad

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



59.6052, 83.6579, 20.0272



59.6170, 83.6579, 248.0952



131.6868, 83.6579, 91.0655

Complementary

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



59.6052, 83.6579, 20.0272



31.0219, 17.8475, 96.4176

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.



123.6687, 83.6579, 169.0245



59.6052, 83.6579, 20.0272



79.5226, 83.6579, 282.2164

Square

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



59.6052, 83.6579, 20.0272



47.3683, 83.6579, 169.0865



103.4260, 83.6579, 248.0490



123.6576, 83.6579, 41.7496

Rectangle

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



59.6052, 83.6579, 20.0272



43.7850, 83.6579, 71.0655



103.4260, 83.6579, 248.0490



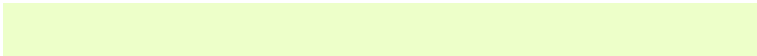
130.7620, 83.6579, 114.5598

Sweetspot

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



59.6053, 83.6579, 20.0284



81.2636, 93.7539, 69.3496



51.4315, 39.4994, 11.9357



17.0515, 19.9108, 13.9205



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.



59.6053, 83.6579, 20.0284



55.6364, 81.7208, 14.9209



43.1238, 75.1614, 19.2571



18.9316, 20.7662, 19.1548



27.4052, 41.8660, 6.6365



2.7849, 4.1364, 0.6516

Inverse Universe

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



31.0219, 17.8475, 96.4176



25.6468, 12.3031, 95.6308



51.8600, 28.5900, 97.3928



17.5800, 17.6752, 22.7350



11.5765, 4.8784, 49.7661



1.2381, 0.5322, 4.8507

Previews

White Background



This preview shows how the XYZ color 59.6052, 83.6579, 20.0272 looks on a white background.

Color Contrast Check

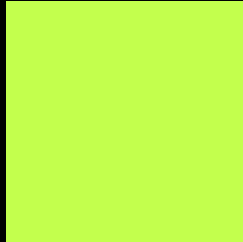
Large Text (above 18pt) WCAG AA × Fail

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 59.6052, 83.6579, 20.0272 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 59.6052, 83.6579, 20.0272

Background



This preview shows how black text looks on a background with the XYZ color 59.6052, 83.6579, 20.0272.

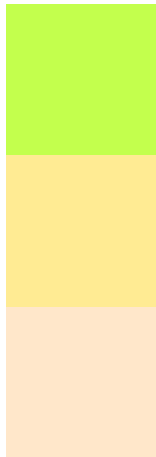


This preview shows how white text looks on a background with the XYZ color 59.6052, 83.6579,

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

59.6052, 83.6579, 20.0272

Protanopia

76.2148, 82.7832, 39.5656

Deuteranopia

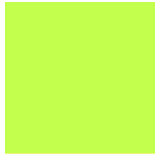
80.4766, 82.6761, 67.5936



Tritanopia

77.5380, 83.2745, 106.5946

Trichromacy



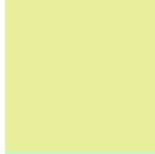
Original Color

59.6052, 83.6579, 20.0272



Protanomaly

68.8693, 82.2330, 30.6551



Deuteranomaly

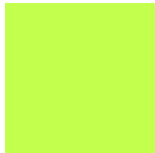
70.8502, 82.0781, 44.0068



Tritanomaly

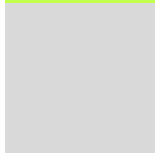
68.2233, 82.1207, 60.9703

Monochromacy



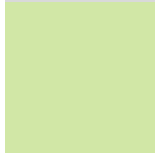
Original Color

59.6052, 83.6579, 20.0272



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

61.7533, 73.4603, 47.0009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6052, 83.6579, 20.0272 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(195, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 77)  
}
```

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(195, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 77) }
```

Border

The CSS property to change the border of an element to XYZ 59.6052, 83.6579, 20.0272 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(195, 255, 77) }
```


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

```
.border{ border-color:rgb(195, 255, 77) }
```

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

Here you see how a box with a 4 pixel rgb(195, 255, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6052, 83.6579, 20.0272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 77) }
```

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

```
.background{ background-color: rgb(195,  
255, 77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor