

Converting Colors

XYZ(57.1967, 81.0107, 20.1045)

Have a look what the booklet for
XYZ(57.1967, 81.0107, 20.1045)
contains.

XYZ(57.2080, 81.0041, 20.0173)	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(57.2080, 81.0041,
20.0173)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFC4F
RGB	189, 252, 79
RGB Percent	74%, 99%, 31%
CMY	0.2588, 0.0117, 0.6902
CMYK	0.25, 0.00, 0.69, 0.01
HSL	82°, 97%, 65%
HSV	82°, 69%, 99%
XYZ	57.2080, 81.0041, 20.0173
YIQ	213.4410, 17.9850, -67.1590

Conversions

Conversions Part 2

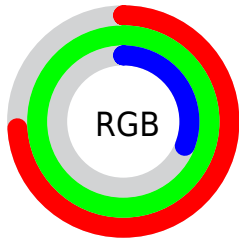
Format	Color
RYB	79, 252, 142
Decimal	12450895
CIELab	92.13, -43.93, 72.71
CIELCh	92, 84.957, 121.140
Yxy	81.0041, 0.3616, 0.5119
Android (android.graphics.Color)	4290640975 (0xFFBDFC4F)
YUV	213.4410, -66.2794, -21.4348
Hunter-Lab	90.0023, -44.0443, 49.8150

Details

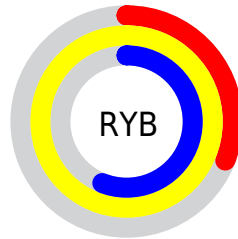
The XYZ color **57.2080, 81.0041, 20.0173** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light washed chartreuse. A complement of this color would be **31.5253, 18.3732, 93.9849**, and the grayscale version is **63.9654, 67.2966, 73.2860**.

A 20% lighter version of the original color is **79.3423, 93.4659, 37.5258**, and **28.8752, 43.8555, 6.9431** is the 20% darker color. If you saturate the color by 10%, you get **54.2544, 79.5707, 15.9653**, and if you desaturate by 10%, it is **60.6570, 82.6579, 25.9094**.

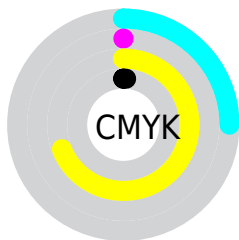
Distribution



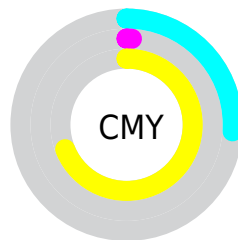
- Red (74%)
- Green (99%)
- Blue (31%)



- Red (31%)
- Yellow (99%)
- Blue (56%)



- Cyan (25%)
- Magenta (0%)
- Yellow (69%)
- Black (1%)





- Cyan (26%)
- Magenta (1%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.2080, 81.0041, 20.0173 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 57.2080, 81.0041, 20.0173 by changing the saturation by 10% instead.


 57.2080, 81.0041,
20.0173

 57.2080, 81.0041,
20.0173


404.2298,
498.3103, 264.6161

 41.4130, 60.5450,
12.2234


 99.8982, 134.7765,
44.3055


 28.8311, 43.8580,
6.7716


 127.5242,
168.8586, 61.6370

 19.0967, 30.5589,
3.2434


 159.8246,
208.2505, 82.9847

 11.8446, 20.2632,
1.2202

 197.1647,
253.3365, 108.7672

 6.7094, 12.5865,
0.0000

239.9100,
304.5011, 139.4030

 3.3257, 7.1444,
0.0000

288.4257,

 1.3283, 3.5526,

362.1287, 175.3108

0.0000

343.0772,
426.6036, 216.9090

0.2042, 1.4266,
0.0000

0.0000, 0.2362,
0.0000

57.2080, 81.0041,
20.0173

57.2080, 81.0041,
20.0173

54.2544, 79.5707,
15.9653

60.6570, 82.6579,
25.9094

51.7462, 78.3291,
13.5286

64.6334, 84.5368,
33.8217

49.6229, 77.2573,
12.3945

69.1725, 86.6580,
43.9187

49.3547, 77.1212,
12.2846

74.3045, 89.0339,
56.3466

■ 80.0571, 91.6758,
71.2388

■ 86.4561, 94.5944,
88.7189

■ 93.4595, 97.7730,
108.5540

■ 94.1021, 98.1043,
108.5840

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1574, 81.0041, 14.2309



57.2080, 81.0041, 20.0173



45.6928, 81.0041, 41.8640

Triad

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



57.2080, 81.0041, 20.0173



58.4064, 81.0041, 241.5482



127.2214, 81.0041, 85.8226

Complementary

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



57.2080, 81.0041, 20.0173



31.5253, 18.3732, 93.9849

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.



120.0633, 81.0041, 160.1361



57.2080, 81.0041, 20.0173



77.8326, 81.0041, 272.0124

Square

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



57.2080, 81.0041, 20.0173



46.2869, 81.0041, 166.3996



100.8803, 81.0041, 236.8830



118.9405, 81.0041, 39.3864

Rectangle

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



57.2080, 81.0041, 20.0173



42.4355, 81.0041, 70.9017



100.8803, 81.0041, 236.8830



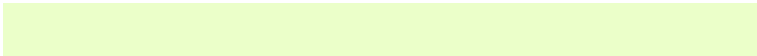
126.5321, 81.0041, 108.1045

Sweetspot

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



57.2099, 81.0077, 20.0190



80.7811, 93.5052, 69.3270



50.8717, 39.8877, 12.4161



16.9362, 19.8514, 13.9151



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.



57.2099, 81.0077, 20.0190



54.8062, 81.2819, 15.3748



42.0441, 73.1895, 19.3093



18.0786, 19.8563, 18.3422



25.8756, 40.2576, 6.4067



2.5128, 3.7885, 0.5988

Inverse Universe

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



31.5253, 18.3732, 93.9849



27.0567, 13.3076, 95.7503



51.7494, 28.7992, 94.9313



16.8799, 16.9507, 21.7674



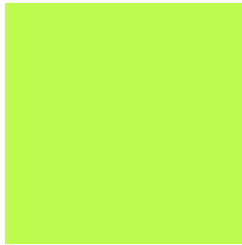
11.5874, 4.9162, 48.3118



1.1850, 0.5130, 4.4797

Previews

White Background



This preview shows how the XYZ color 57.2080, 81.0041, 20.0173 looks on a white background.

Color Contrast Check

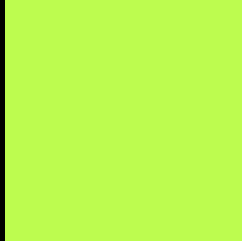
Large Text (above 18pt) WCAG AA × Fail

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 57.2080, 81.0041, 20.0173 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 57.2080, 81.0041, 20.0173

Background



This preview shows how black text looks on a background with the XYZ color 57.2080, 81.0041, 20.0173.

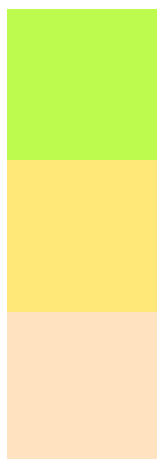


This preview shows how white text looks on a background with the XYZ color 57.2080, 81.0041,

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

57.2080, 81.0041, 20.0173

Protanopia

73.4264, 80.3051, 29.0832

Deuteranopia

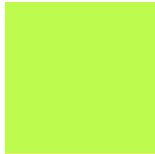
78.2235, 80.0039, 61.1887



Tritanopia

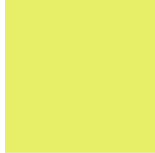
74.1761, 80.2741, 105.3509

Trichromacy



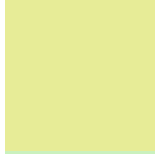
Original Color

57.2080, 81.0041, 20.0173



Protanomaly

66.3202, 79.7214, 24.9890



Deuteranomaly

68.5364, 79.2142, 40.9558



Tritanomaly

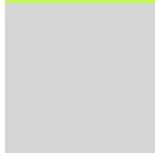
65.1067, 79.1849, 60.5679

Monochromacy



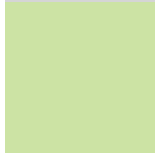
Original Color

57.2080, 81.0041, 20.0173



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.0718, 70.4559, 45.6079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.2080, 81.0041, 20.0173 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(189, 252, 79)` looks like.

```
.text, #text, p{  
    color:rgb(189, 252, 79)  
}
```

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(189, 252, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 252, 79) }
```

Border

The CSS property to change the border of an element to XYZ 57.2080, 81.0041, 20.0173 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(189, 252, 79) }
```


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

```
.border{ border-color:rgb(189, 252, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 252, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 252, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 252, 79);  
box-shadow:4px 4px 4px 4px rgb(189, 252,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 57.2080, 81.0041, 20.0173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 252, 79) }
```

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

```
.background{ background-color: rgb(189,  
252, 79) }
```

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