

Converting Colors

XYZ(57.6259, 80.2879, 20.0493)

Have a look what the booklet for
XYZ(57.6259, 80.2879, 20.0493)
contains.

XYZ(57.6259, 80.2879, 20.0493)	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(57.6259, 80.2879,
20.0493)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FA50
RGB	193, 250, 80
RGB Percent	76%, 98%, 31%
CMY	0.2431, 0.0196, 0.6863
CMYK	0.23, 0.00, 0.68, 0.02
HSL	80°, 94%, 65%
HSV	80°, 68%, 98%
XYZ	57.6259, 80.2879, 20.0493
YIQ	213.5770, 20.5980, -64.9540

Conversions

Conversions Part 2

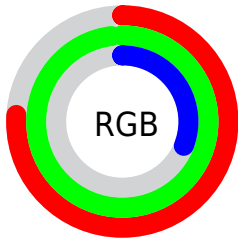
Format	Color
RYB	80, 250, 137
Decimal	12712528
CIELab	91.81, -41.53, 72.10
CIELCh	92, 83.209, 119.941
Yxy	80.2879, 0.3648, 0.5083
Android (android.graphics.Color)	4290902608 (0xFFC1FA50)
YUV	213.5770, -65.8535, -18.0460
Hunter-Lab	89.6035, -42.0091, 49.4560

Details

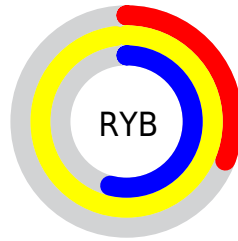
The XYZ color **57.6259, 80.2879, 20.0493** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **30.4438, 17.9600, 92.3093**, and the grayscale version is **64.0530, 67.3887, 73.3863**.

A 20% lighter version of the original color is **80.7834, 94.2088, 37.5933**, and **29.0616, 43.2908, 6.8243** is the 20% darker color. If you saturate the color by 10%, you get **54.7922, 78.9173, 15.9598**, and if you desaturate by 10%, it is **60.9280, 81.8655, 25.9567**.

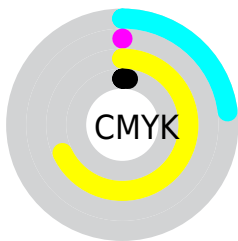
Distribution



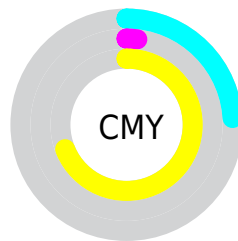
- Red (76%)
- Green (98%)
- Blue (31%)



- Red (31%)
- Yellow (98%)
- Blue (54%)



- Cyan (23%)
- Magenta (0%)
- Yellow (68%)
- Black (2%)





- Cyan (24%)
- Magenta (2%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.6259, 80.2879, 20.0493 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 57.6259, 80.2879, 20.0493 by changing the saturation by 10% instead.


 57.6259, 80.2879,
20.0493


 57.6259, 80.2879,
20.0493


405.7669,
495.9025, 264.7949


 41.7501, 59.9553,
12.2465


 100.5040,
133.7704, 44.3599


 29.0959, 43.3826,
6.7872


 128.2369,
167.6891, 61.7047

 19.2980, 30.1854,
3.2529

 160.6530,
206.9053, 83.0672

 11.9911, 19.9794,
1.2252

 198.1175,
251.8034, 108.8661

 6.8098, 12.3801,
0.0000

240.9957,
302.7678, 139.5197

 3.3887, 7.0031,
0.0000

289.6532,

 1.3625, 3.4640,

360.1829, 175.4467

0.0000

344.4551,
424.4330, 217.0656

■ 0.2293, 1.3785,
0.0000

■ 0.0000, 0.2008,
0.0000

■ 57.6259, 80.2879,
20.0493

■ 57.6259, 80.2879,
20.0493

■ 54.7922, 78.9173,
15.9598

■ 60.9280, 81.8655,
25.9567

■ 52.3789, 77.7258,
13.4705

■ 64.7290, 83.6541,
33.8568


■ 50.3312, 76.6941,
12.2944


■ 69.0627, 85.6702,
43.9096

■ 49.9492, 76.5003,
12.1334

■ 73.9580, 87.9255,
56.2576

 79.4414, 90.4310,
71.0309

 85.5375, 93.1966,
88.3501

 92.2678, 96.2313,
108.3192

 93.4774, 96.8548,
108.3758

Harmonies

Analogous

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



76.3532, 80.2879, 14.7332



57.6259, 80.2879, 20.0493



46.0470, 80.2879, 40.8167

Triad

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



57.6259, 80.2879, 20.0493



57.5657, 80.2879, 233.4774



125.0801, 80.2879, 87.5401

Complementary

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



57.6259, 80.2879, 20.0493



30.4438, 17.9600, 92.3093

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.



117.5719, 80.2879, 160.3913



57.6259, 80.2879, 20.0493



76.2693, 80.2879, 265.2068

Square

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



57.6259, 80.2879, 20.0493



46.0170, 80.2879, 160.0796



98.6534, 80.2879, 233.7088



117.6279, 80.2879, 40.9421

Rectangle

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



57.6259, 80.2879, 20.0493



42.6476, 80.2879, 68.4772



98.6534, 80.2879, 233.7088



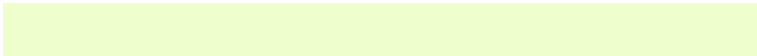
124.2063, 80.2879, 109.5686

Sweetspot

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



57.6278, 80.2915, 20.0510



81.8848, 94.0391, 70.9623



49.7737, 38.7026, 12.4375



17.1754, 19.9679, 14.2338



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.



57.6278, 80.2915, 20.0510



56.2304, 82.0161, 15.4415



41.8612, 72.1635, 19.3132



18.1289, 19.8822, 18.3446



26.6525, 40.6581, 6.4431



2.5811, 3.8237, 0.6020

Inverse Universe

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



30.4438, 17.9600, 92.3093



26.2279, 12.8804, 95.7115



50.1493, 28.1186, 93.2315



16.8315, 16.9258, 21.7652



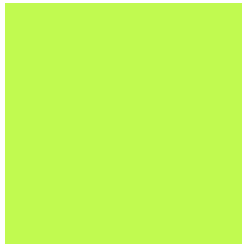
11.2204, 4.7270, 48.2946



1.1469, 0.4933, 4.4780

Previews

White Background



This preview shows how the XYZ color 57.6259, 80.2879, 20.0493 looks on a white background.

Color Contrast Check

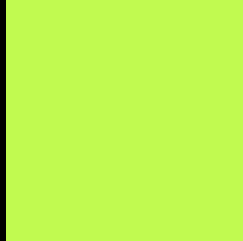
Large Text (above 18pt) WCAG AA × Fail

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 57.6259, 80.2879, 20.0493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

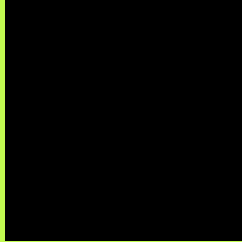
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.6259, 80.2879, 20.0493

Background



This preview shows how black text looks on a background with the XYZ color 57.6259, 80.2879, 20.0493.

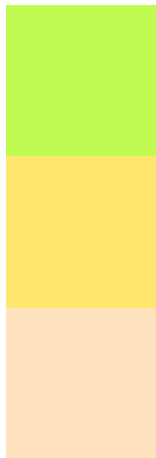


This preview shows how white text looks on a background with the XYZ color 57.6259, 80.2879,

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

57.6259, 80.2879, 20.0493

Protanopia

72.6852, 79.5595, 26.5645

Deuteranopia

77.7306, 79.3704, 59.9384



Tritanopia

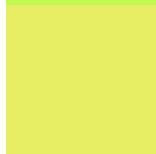
74.4341, 80.0200, 103.6178

Trichromacy



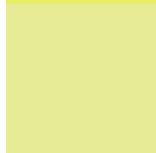
Original Color

57.6259, 80.2879, 20.0493



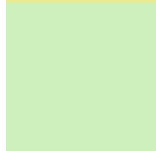
Protanomaly

66.1535, 79.2250, 23.8619



Deuteranomaly

68.4921, 78.7745, 40.4492



Tritanomaly

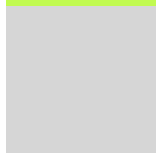
65.7990, 79.1161, 59.9471

Monochromacy



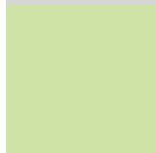
Original Color

57.6259, 80.2879, 20.0493



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.7142, 70.7766, 46.1113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6259, 80.2879, 20.0493 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(193, 250, 80)` looks like.

```
.text, #text, p{  
    color:rgb(193, 250, 80)  
}
```

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(193, 250, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 250, 80) }
```

Border

The CSS property to change the border of an element to XYZ 57.6259, 80.2879, 20.0493 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(193, 250, 80) }
```


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

```
.border{ border-color:rgb(193, 250, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 250, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 250, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 250, 80);  
box-shadow:4px 4px 4px 4px rgb(193, 250,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6259, 80.2879, 20.0493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 250, 80) }
```

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

```
.background{ background-color: rgb(193,  
250, 80) }
```

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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