

Converting Colors

XYZ(57.8015, 79.5239, 16.3108)

Have a look what the booklet for
XYZ(57.8015, 79.5239, 16.3108)
contains.

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Color

**XYZ(57.8843, 79.5824,
16.3131)**

Conversions

Conversions Part 1

Format	Color
Hex	C7F83A
RGB	199, 248, 58
RGB Percent	78%, 97%, 23%
CMY	0.2196, 0.0274, 0.7725
CMYK	0.20, 0.00, 0.77, 0.03
HSL	75°, 93%, 60%
HSV	75°, 77%, 97%
XYZ	57.8843, 79.5824, 16.3131
YIQ	211.6890, 31.7860, -69.4780

Conversions

Conversions Part 2

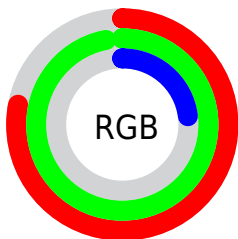
Format	Color
RYB	58, 248, 107
Decimal	13105210
CIELab	91.50, -39.53, 79.12
CIElCh	91, 88.444, 116.551
Yxy	79.5824, 0.3764, 0.5175
Android (android.graphics.Color)	4291295290 (0xFFC7F83A)
YUV	211.6890, -75.7687, -11.1283
Hunter-Lab	89.2090, -40.2938, 51.6043

Details

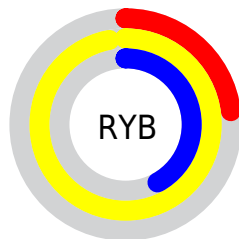
The XYZ color **57.8843, 79.5824, 16.3131** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **24.5228, 12.9313, 90.0152**, and the grayscale version is **62.8474, 66.1204, 72.0051**.

A 20% lighter version of the original color is **80.3298, 94.1119, 31.3843**, and **29.4460, 42.8371, 6.7164** is the 20% darker color. If you saturate the color by 10%, you get **55.7377, 78.5346, 13.6751**, and if you desaturate by 10%, it is **60.4094, 80.7955, 20.5561**.

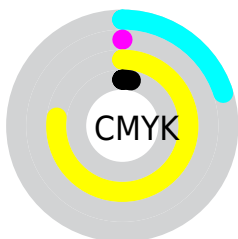
Distribution



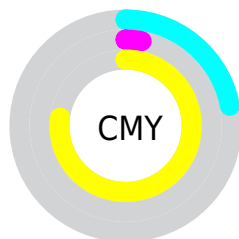
- Red (78%)
- Green (97%)
- Blue (23%)



- Red (23%)
- Yellow (97%)
- Blue (42%)



- Cyan (20%)
- Magenta (0%)
- Yellow (77%)
- Black (3%)



- Cyan (22%)
- Magenta (3%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8843, 79.5824, 16.3131 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 57.8843, 79.5824, 16.3131 by changing the saturation by 10% instead.

■ 57.8843, 79.5824,
16.3131

■ 57.8843, 79.5824,
16.3131

406.7155,
493.5244, 243.0907

■ 41.9585, 59.3748,
9.5892

■ 100.8783,
132.7784, 37.9152

■ 29.2598, 42.9149,
5.0254

■ 128.6772,
166.5357, 53.6306

■ 19.4227, 29.8183,
2.2032

■ 161.1646,
205.5782, 73.1802

■ 12.0819, 19.7007,
0.6762

■ 198.7058,
250.2904, 96.9826

■ 6.8721, 12.1777,
0.0000

■ 241.6661,
301.0568, 125.4563

■ 3.4279, 6.8648,
0.0000

290.4109,

■ 1.3839, 3.3777,

358.2616, 159.0198

0.0000

345.3056,
422.2894, 198.0918

■ 0.2447, 1.3320,
0.0000

■ 0.0000, 0.1657,
0.0000

■ 57.8843, 79.5824,
16.3131

■ 57.8843, 79.5824,
16.3131

■ 55.7377, 78.5346,
13.6751

■ 60.4094, 80.7955,
20.5561


■ 53.9150, 77.6217,
12.3823


■ 63.3470, 82.1791,
26.6020


■ 53.3453, 77.3333,
12.1152


■ 66.7324, 83.7503,
34.6254


■ 70.5956, 85.5211,
44.7790

 74.9636, 87.5024,
57.2006

 79.8609, 89.7043,
72.0164

 85.3107, 92.1358,
89.3431

 91.1060, 94.7146,
108.0877

 92.8592, 95.6184,
108.1697

Harmonies

Analogous

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



78.2766, 79.5824, 12.4436



57.8843, 79.5824, 16.3131



44.9504, 79.5824, 34.6840

Triad

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



57.8843, 79.5824, 16.3131



54.1897, 79.5824, 236.8368



127.6379, 79.5824, 94.3309

Complementary

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



57.8843, 79.5824, 16.3131



24.5228, 12.9313, 90.0152

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.



117.8428, 79.5824, 174.5888



57.8843, 79.5824, 16.3131



73.0647, 79.5824, 278.8235

Square

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



57.8843, 79.5824, 16.3131



43.1335, 79.5824, 154.7697



96.7009, 79.5824, 251.7273



121.3796, 79.5824, 42.1889

Rectangle

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



57.8843, 79.5824, 16.3131



40.8506, 79.5824, 60.8839



96.7009, 79.5824, 251.7273



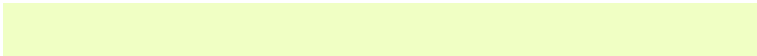
126.0720, 79.5824, 118.8238

Sweetspot

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



57.8861, 79.5860, 16.3148



81.6555, 94.0244, 66.2785



44.5808, 30.4700, 7.5357



17.0881, 19.9495, 13.0294



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.



57.8861, 79.5860, 16.3148



58.2638, 83.1061, 13.6509



40.2186, 70.4780, 15.4880



18.2648, 19.9523, 18.3509



28.9531, 41.8442, 6.5507



2.7800, 3.9262, 0.6113

Inverse Universe

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



24.5228, 12.9313, 90.0152



21.6930, 9.4799, 95.2942



42.4125, 22.1538, 90.8524



16.7027, 16.8594, 21.7591



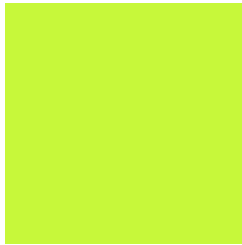
10.4036, 4.3059, 48.2564



1.0577, 0.4474, 4.4738

Previews

White Background



This preview shows how the XYZ color 57.8843, 79.5824, 16.3131 looks on a white background.

Color Contrast Check

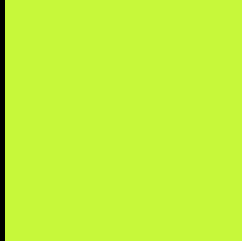
Large Text (above 18pt) WCAG AA × Fail

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 57.8843, 79.5824, 16.3131 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 57.8843, 79.5824, 16.3131

Background



This preview shows how black text looks on a background with the XYZ color 57.8843, 79.5824, 16.3131.

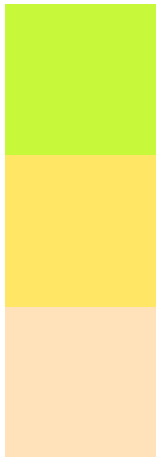


This preview shows how white text looks on a background with the XYZ color 57.8843, 79.5824,

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

57.8843, 79.5824, 16.3131

Protanopia

71.8371, 78.7737, 23.4752

Deuteranopia

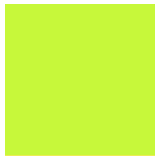
77.0281, 78.6556, 57.5766



Tritanopia

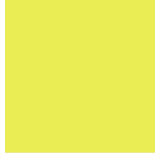
74.8882, 79.0515, 100.9340

Trichromacy



Original Color

57.8843, 79.5824, 16.3131



Protanomaly

66.1848, 78.8864, 20.3326



Deuteranomaly

68.0601, 77.8041, 35.8566



Tritanomaly

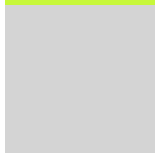
65.6738, 77.8607, 54.7473

Monochromacy



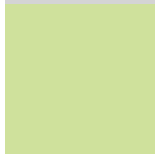
Original Color

57.8843, 79.5824, 16.3131



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.6581, 69.5161, 41.7788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8843, 79.5824, 16.3131 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(199, 248, 58)` looks like.

```
.text, #text, p{  
    color:rgb(199, 248, 58)  
}
```

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(199, 248, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 248, 58) }
```

Border

The CSS property to change the border of an element to XYZ 57.8843, 79.5824, 16.3131 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(199, 248, 58) }
```


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

```
.border{ border-color:rgb(199, 248, 58) }
```

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

Here you see how a box with a 4 pixel rgb(199, 248, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 248, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 248, 58);  
box-shadow:4px 4px 4px 4px rgb(199, 248,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8843, 79.5824, 16.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 248, 58) }
```

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

```
.background{ background-color: rgb(199,  
248, 58) }
```

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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