

Converting Colors

XYZ(60.4790, 81.8296, 17.0214)

Have a look what the booklet for
XYZ(60.4790, 81.8296, 17.0214)
contains.

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Color

**XYZ(60.4815, 81.8299,
17.0219)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFA3D
RGB	206, 250, 61
RGB Percent	81%, 98%, 24%
CMY	0.1922, 0.0196, 0.7608
CMYK	0.18, 0.00, 0.76, 0.02
HSL	74°, 95%, 61%
HSV	74°, 76%, 98%
XYZ	60.4815, 81.8299, 17.0219
YIQ	215.2980, 34.4450, -68.1070

Conversions

Conversions Part 2

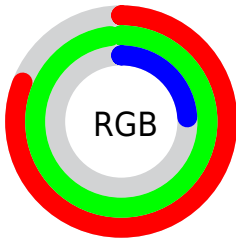
Format	Color
RYB	61, 250, 105
Decimal	13564477
CIELab	92.50, -37.61, 79.33
CIELCh	92, 87.792, 115.365
Yxy	81.8299, 0.3796, 0.5136
Android (android.graphics.Color)	4291754557 (0xFFCEFA3D)
YUV	215.2980, -76.0689, -8.1543
Hunter-Lab	90.4599, -38.9596, 52.1653

Details

The XYZ color **60.4815, 81.8299, 17.0219** 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 **24.7528, 13.2449, 91.6992**, and the grayscale version is **65.2791, 68.6787, 74.7911**.

A 20% lighter version of the original color is **80.5129, 94.1851, 32.3484**, and **31.1026, 44.3430, 6.9198** is the 20% darker color. If you saturate the color by 10%, you get **58.3730, 80.8062, 14.1902**, and if you desaturate by 10%, it is **62.9672, 83.0173, 21.5111**.

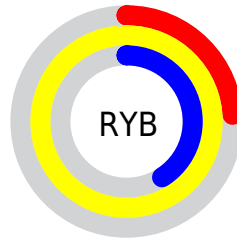
Distribution



Red (81%)

Green (98%)

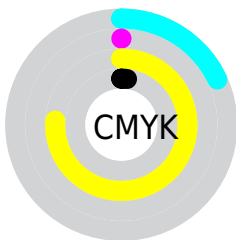
Blue (24%)



Red (24%)

Yellow (98%)

Blue (41%)

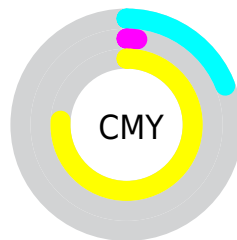


Cyan (18%)

Magenta (0%)

Yellow (76%)

Black (2%)



Cyan (19%)


Magenta (2%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.4815, 81.8299, 17.0219 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 60.4815, 81.8299, 17.0219 by changing the saturation by 10% instead.


 60.4815, 81.8299,
17.0219


 60.4815, 81.8299,
17.0219


416.1767,
501.0785, 247.3468

 44.0578, 61.2253,
10.0880


 104.6302,
135.9354, 39.1546

 30.9141, 44.4070,
5.3510


 133.0859,
170.2052, 55.1904


 20.6849, 30.9906,
2.3923


 166.2830,
209.7988, 75.0974

 13.0050, 20.5917,
0.7823

 204.5868,
255.1007, 99.2939

 7.5090, 12.8259,
0.0000

 248.3628,
306.4952, 128.1985

 3.8316, 7.3088,
0.0000

297.9761,

 1.6073, 3.6559,

364.3667, 162.2299

0.0000

353.7923,
429.0997, 201.8064

■ 0.3972, 1.4830,
0.0000

■ 0.0000, 0.2767,
0.0000

■ 60.4815, 81.8299,
17.0219

■ 60.4815, 81.8299,
17.0219

■ 58.3730, 80.8062,
14.1902

■ 62.9672, 83.0173,
21.5111

■ 56.5878, 79.9157,
12.7596

■ 65.8636, 84.3730,
27.8557

■ 55.8736, 79.5545,
12.4107

■ 69.2063, 85.9143,
36.2317

■ 73.0252, 87.6532,
46.7928

■ 77.3472, 89.6005,
59.6783

■ 82.1972, 91.7664,
75.0159

■ 87.5982, 94.1599,
92.9237

■ 92.5886, 96.3966,
108.3342

■ 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.



81.3700, 81.8299, 13.4331



60.4815, 81.8299, 17.0219



47.0176, 81.8299, 35.1298

Triad

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



60.4815, 81.8299, 17.0219



55.4444, 81.8299, 237.2966



130.1127, 81.8299, 99.6240

Complementary

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



60.4815, 81.8299, 17.0219



24.7528, 13.2449, 91.6992

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.



119.6690, 81.8299, 181.0995



60.4815, 81.8299, 17.0219



74.2911, 81.8299, 281.7367

Square

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



60.4815, 81.8299, 17.0219



44.5324, 81.8299, 154.3649



98.0901, 81.8299, 257.3092



124.4481, 81.8299, 45.4403

Rectangle

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



60.4815, 81.8299, 17.0219



42.6284, 81.8299, 61.0147



98.0901, 81.8299, 257.3092



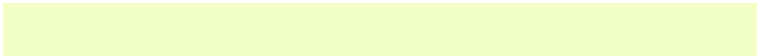
128.3203, 81.8299, 124.6989

Sweetspot

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



60.4834, 81.8336, 17.0236



82.1568, 94.2828, 66.3019



45.0161, 30.1564, 7.8641



17.2107, 20.0127, 13.0352



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.



60.4834, 81.8336, 17.0236



59.9933, 83.9949, 13.8586



42.0421, 72.3267, 16.1606



18.3091, 19.9751, 18.3530



29.7685, 42.2645, 6.5889



2.8494, 3.9620, 0.6146

Inverse Universe

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



24.7528, 13.2449, 91.6992



21.4144, 9.4078, 95.2950



41.8092, 22.0379, 92.4974



16.6612, 16.8380, 21.7572



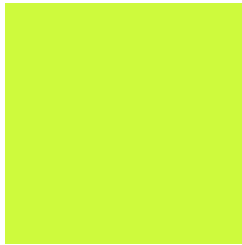
10.1888, 4.1952, 48.2463



1.0327, 0.4345, 4.4726

Previews

White Background



This preview shows how the XYZ color 60.4815, 81.8299, 17.0219 looks on a white background.

Color Contrast Check

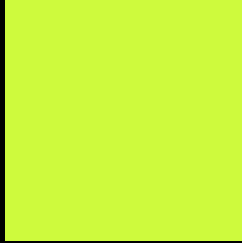
Large Text (above 18pt) WCAG AA × Fail

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 60.4815, 81.8299, 17.0219 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 60.4815, 81.8299, 17.0219

Background



This preview shows how black text looks on a background with the XYZ color 60.4815, 81.8299, 17.0219.

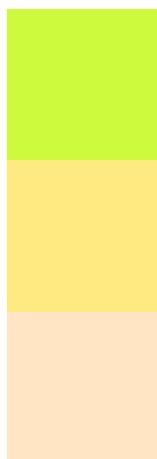


This preview shows how white text looks on a background with the XYZ color 60.4815, 81.8299,

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

60.4815, 81.8299, 17.0219

Protanopia

74.3414, 81.1228, 32.5089

Deuteranopia

79.1096, 81.2388, 63.1409



Tritanopia

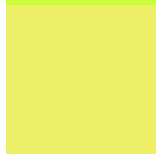
78.0736, 81.4749, 103.7068

Trichromacy



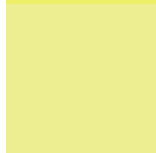
Original Color

60.4815, 81.8299, 17.0219



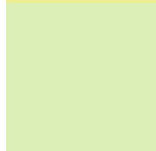
Protanomaly

68.2902, 80.7370, 25.0812



Deuteranomaly

70.3975, 80.6482, 39.0504



Tritanomaly

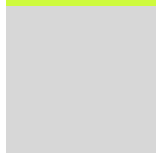
68.6272, 80.2120, 56.6652

Monochromacy



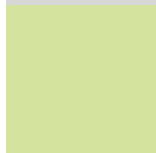
Original Color

60.4815, 81.8299, 17.0219



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.1528, 71.9871, 43.4727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.4815, 81.8299, 17.0219 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(206, 250, 61)` looks like.

```
.text, #text, p{  
    color:rgb(206, 250, 61)  
}
```

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(206, 250, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 250, 61) }
```

Border

The CSS property to change the border of an element to XYZ 60.4815, 81.8299, 17.0219 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(206, 250, 61) }
```


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

```
.border{ border-color:rgb(206, 250, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 250, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 250, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 250, 61);  
box-shadow:4px 4px 4px 4px rgb(206, 250,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 60.4815, 81.8299, 17.0219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 250, 61) }
```

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

```
.background{ background-color: rgb(206,  
250, 61) }
```

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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