

Converting Colors

XYZ(58.3390, 74.9807, 16.6145)

Have a look what the booklet for
XYZ(58.3390, 74.9807, 16.6145)
contains.

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Color

**XYZ(58.4189, 74.9588,
16.5437)**

Conversions

Conversions Part 1

Format	Color
Hex	D4ED42
RGB	212, 237, 66
RGB Percent	83%, 93%, 26%
CMY	0.1686, 0.0706, 0.7412
CMYK	0.11, 0.00, 0.72, 0.07
HSL	69°, 83%, 59%
HSV	69°, 72%, 93%
XYZ	58.4189, 74.9588, 16.5437
YIQ	210.0310, 39.9910, -58.4810

Conversions

Conversions Part 2

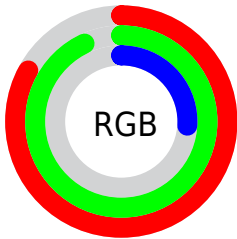
Format	Color
RYB	66, 237, 91
Decimal	13954370
CIELab	89.37, -29.08, 74.96
CIELCh	89, 80.400, 111.204
Yxy	74.9588, 0.3897, 0.5000
Android (android.graphics.Color)	4292144450 (0xFFD4ED42)
YUV	210.0310, -71.0073, 1.7268
Hunter-Lab	86.5788, -31.0702, 49.2758

Details

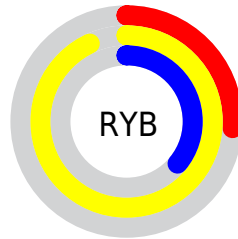
The XYZ color **58.4189, 74.9588, 16.5437** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **21.5512, 12.2367, 81.3514**, and the grayscale version is **61.7142, 64.9282, 70.7068**.

A 20% lighter version of the original color is **80.7017, 94.2607, 33.3427**, and **29.6607, 39.8201, 6.1228** is the 20% darker color. If you saturate the color by 10%, you get **56.8720, 74.2286, 13.5493**, and if you desaturate by 10%, it is **60.2801, 75.8227, 21.0657**.

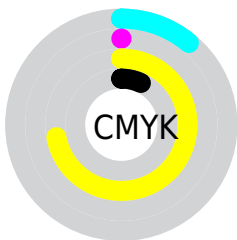
Distribution



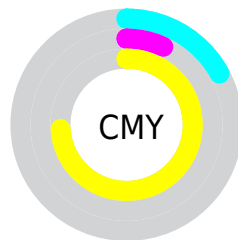
- Red (83%)
- Green (93%)
- Blue (26%)



- Red (26%)
- Yellow (93%)
- Blue (36%)



- Cyan (11%)
- Magenta (0%)
- Yellow (72%)
- Black (7%)



- Cyan (17%)
- Magenta (7%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4189, 74.9588, 16.5437 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 58.4189, 74.9588, 16.5437 by changing the saturation by 10% instead.

■ 58.4189, 74.9588,
16.5437

■ 58.4189, 74.9588,
16.5437

408.6738,
477.7759, 244.4832

■ 42.3901, 55.5791,
9.7512

■ 101.6521,
126.2540, 38.3194

■ 29.5993, 39.8656,
5.1309

■ 129.5872,
158.9384, 54.1397

■ 19.6812, 27.4338,
2.2642

■ 162.2217,
196.8265, 73.8063

■ 12.2704, 17.8993,
0.7110

■ 199.9211,
240.3026, 97.7377

■ 7.0016, 10.8777,
0.0000

■ 243.0506,
289.7512, 126.3526

■ 3.5095, 5.9846,
0.0000

291.9757,

■ 1.4286, 2.8357,

345.5567, 160.0695

0.0000

347.0616,
408.1035, 199.3068

■ 0.2764, 1.0466,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4189, 74.9588,
16.5437

■ 58.4189, 74.9588,
16.5437

■ 56.8720, 74.2286,
13.5493

■ 60.2801, 75.8227,
21.0657


■ 55.5955, 73.6063,
11.8758


■ 62.4823, 76.8227,
27.2784

■ 54.7369, 73.1768,
11.2396


■ 65.0550, 77.9735,
35.3291


■ 68.0232, 79.2849,
45.3481

 71.4093, 80.7661,
57.4535

 75.2343, 82.4254,
71.7543

 79.5174, 84.2705,
88.3520

 84.1784, 86.2694,
106.8227

 85.3646, 86.8809,
106.8782

Harmonies

Analogous

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



77.1896, 74.9588, 14.5389



58.4189, 74.9588, 16.5437



45.6392, 74.9588, 30.8112

Triad

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



58.4189, 74.9588, 16.5437



50.0726, 74.9588, 198.5457



115.5584, 74.9588, 99.3332

Complementary

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



58.4189, 74.9588, 16.5437



21.5512, 12.2367, 81.3514

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.



104.9895, 74.9588, 170.0719



58.4189, 74.9588, 16.5437



65.6158, 74.9588, 242.3576

Square

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



58.4189, 74.9588, 16.5437



41.4736, 74.9588, 127.4171



85.8256, 74.9588, 230.0490



112.6611, 74.9588, 48.3640

Rectangle

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



58.4189, 74.9588, 16.5437



41.0956, 74.9588, 51.4466



85.8256, 74.9588, 230.0490



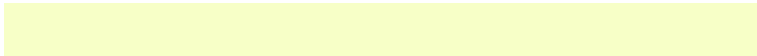
113.4009, 74.9588, 121.7441

Sweetspot

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



58.4206, 74.9622, 16.5453



84.3431, 95.3760, 67.9360



39.4669, 25.5115, 7.9993



17.8089, 20.3080, 13.6534



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.



58.4206, 74.9622, 16.5453



66.3317, 87.2483, 14.7944



40.2782, 65.6094, 15.6962



16.1229, 17.5089, 16.0485



29.9699, 39.9945, 6.1401



2.4124, 3.1710, 0.4849

Inverse Universe

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



21.5512, 12.2367, 81.3514



20.8175, 9.4602, 95.3365



34.7593, 19.0458, 81.9696



14.4362, 14.6546, 18.9900



8.7839, 3.5642, 43.9680



0.7534, 0.3127, 3.4555

Previews

White Background



This preview shows how the XYZ color 58.4189, 74.9588, 16.5437 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 58.4189, 74.9588, 16.5437 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 58.4189, 74.9588, 16.5437

Background



This preview shows how black text looks on a background with the XYZ color 58.4189, 74.9588, 16.5437.



This preview shows how white text looks on a background with the XYZ color 58.4189, 74.9588,

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

58.4189, 74.9588, 16.5437

Protanopia

67.6061, 74.7185, 15.5615

Deuteranopia

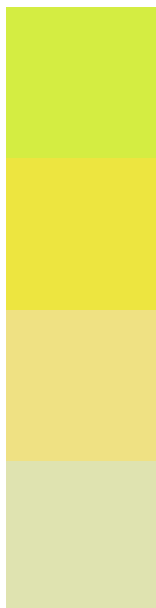
73.3793, 74.2300, 47.5061



Tritanopia

73.7495, 74.6029, 92.1741

Trichromacy



Original Color

58.4189, 74.9588, 16.5437

Protanomaly

63.8698, 74.4133, 15.8474

Deuteranomaly

66.6186, 73.8398, 32.2141

Tritanomaly

65.7370, 73.7607, 51.8468

Monochromacy



Original Color

58.4189, 74.9588, 16.5437

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

58.6287, 67.5039, 42.2872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4189, 74.9588, 16.5437 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(212, 237, 66)` looks like.

```
.text, #text, p{  
    color:rgb(212, 237, 66)  
}
```

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(212, 237, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 237, 66) }
```

Border

The CSS property to change the border of an element to XYZ 58.4189, 74.9588, 16.5437 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(212, 237, 66) }
```


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

```
.border{ border-color:rgb(212, 237, 66) }
```

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

Here you see how a box with a 4 pixel rgb(212, 237, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 237, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 237, 66);  
box-shadow:4px 4px 4px 4px rgb(212, 237,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4189, 74.9588, 16.5437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 237, 66) }
```

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

```
.background{ background-color: rgb(212,  
237, 66) }
```

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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