

Converting Colors

XYZ(58.7635, 71.7809, 15.6084)

Have a look what the booklet for
XYZ(58.7635, 71.7809, 15.6084)
contains.

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Color

**XYZ(58.7635, 71.7809,
15.6084)**

Conversions

Conversions Part 1

Format	Color
Hex	DDE540
RGB	221, 229, 64
RGB Percent	87%, 90%, 25%
CMY	0.1333, 0.1019, 0.7490
CMYK	0.03, 0.00, 0.72, 0.10
HSL	63°, 76%, 57%
HSV	63°, 72%, 90%
XYZ	58.7635, 71.7809, 15.6084
YIQ	207.7980, 48.1970, -53.0110

Conversions

Conversions Part 2

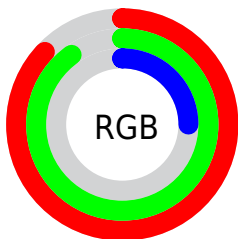
Format	Color
RYB	64, 229, 72
Decimal	14542144
CIELab	87.86, -21.73, 74.40
CIELCh	88, 77.512, 106.284
Yxy	71.7809, 0.4021, 0.4911
Android (android.graphics.Color)	4292732224 (0xFFDDE540)
YUV	207.7980, -70.8924, 11.5782
Hunter-Lab	84.7236, -24.4604, 48.3837

Details

The XYZ color **58.7635, 71.7809, 15.6084** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **18.6509, 10.7032, 75.2160**, and the grayscale version is **60.2481, 63.3857, 69.0270**.

A 20% lighter version of the original color is **80.5129, 94.1851, 32.3484**, and **30.0363, 37.9535, 5.7427** is the 20% darker color. If you saturate the color by 10%, you get **57.9044, 71.4010, 12.8374**, and if you desaturate by 10%, it is **59.8956, 72.2756, 19.7906**.

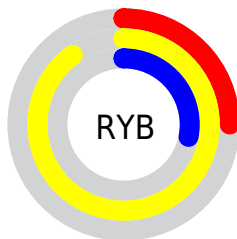
Distribution



Red (87%)

Green (90%)

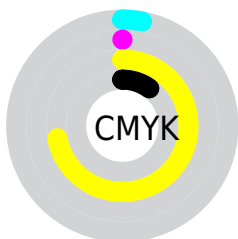
Blue (25%)



Red (25%)

Yellow (90%)

Blue (28%)

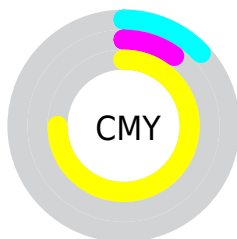


Cyan (3%)

Magenta (0%)

Yellow (72%)

Black (10%)



Cyan (13%)

Magenta (10%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7635, 71.7809, 15.6084 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 58.7635, 71.7809, 15.6084 by changing the saturation by 10% instead.

■ 58.7635, 71.7809,
15.6084

■ 58.7635, 71.7809,
15.6084

409.9331,
466.7786, 238.7860

■ 42.6684, 52.9797,
9.0961

■ 102.1505,
121.7450, 36.6743

■ 29.8184, 37.7866,
4.7063

■ 130.1730,
153.6767, 52.0650

■ 19.8482, 25.8171,
2.0203

■ 162.9021,
190.7540, 71.2523

■ 12.3924, 16.6869,
0.5677

■ 200.7031,
233.3613, 94.6547

■ 7.0856, 10.0115,
0.0000

■ 243.9413,
281.8830, 122.6907

■ 3.5625, 5.4066,
0.0000

292.9822,

■ 1.4577, 2.4877,

336.7036, 155.7789

0.0000

348.1910,
398.2073, 194.3378

■ 0.2968, 0.8705,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7635, 71.7809,
15.6084

■ 58.7635, 71.7809,
15.6084

■ 57.9044, 71.4010,
12.8374

■ 59.8956, 72.2756,
19.7906

■ 57.2782, 71.1118,
11.2882

■ 61.3248, 72.8868,
25.5333

■ 56.9026, 70.9309,
10.6920

■ 63.0783, 73.6279,
32.9717

■ 65.1787, 74.5081,
42.2251

67.6466, 75.5355,
53.4024

70.5012, 76.7178,
66.6035

73.7600, 78.0621,
81.9217

77.4397, 79.5751,
99.4444

79.0262, 80.2510,
105.9326

Harmonies

Analogous

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



76.9778, 71.7809, 15.2096



58.7635, 71.7809, 15.6084



45.6838, 71.7809, 26.9075

Triad

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



58.7635, 71.7809, 15.6084



46.5487, 71.7809, 176.8545



108.7680, 71.7809, 104.7757

Complementary

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



58.7635, 71.7809, 15.6084



18.6509, 10.7032, 75.2160

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.



97.1780, 71.7809, 171.3686



58.7635, 71.7809, 15.6084



60.1633, 71.7809, 224.0254

Square

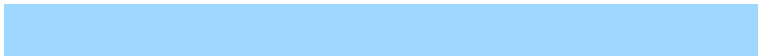
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.7635, 71.7809, 15.6084



39.5497, 71.7809, 110.2088



78.6525, 71.7809, 221.6582



108.2080, 71.7809, 53.0135

Rectangle

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



58.7635, 71.7809, 15.6084



40.6520, 71.7809, 44.0314



78.6525, 71.7809, 221.6582



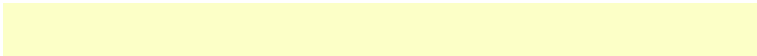
106.0854, 71.7809, 126.4958

Sweetspot

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



58.7652, 71.7842, 15.6099



86.3027, 96.3862, 68.0277



35.4000, 21.3480, 7.1062



18.2784, 20.5500, 13.6754



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.



58.7652, 71.7842, 15.6099



73.5066, 90.9428, 15.3247



39.9321, 62.0754, 14.7285



15.5289, 16.7797, 15.3248



32.5627, 40.5682, 6.1142



2.4277, 3.0089, 0.4528

Inverse Universe

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



18.6509, 10.7032, 75.2160



19.8140, 9.0525, 95.3107



28.9275, 16.0009, 75.6970



13.6472, 13.9204, 18.1119



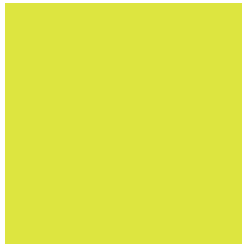
8.1946, 3.2904, 42.5864



0.6285, 0.2550, 3.1481

Previews

White Background



This preview shows how the XYZ color 58.7635, 71.7809, 15.6084 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 58.7635, 71.7809, 15.6084 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 58.7635, 71.7809, 15.6084

Background



This preview shows how black text looks on a background with the XYZ color 58.7635, 71.7809, 15.6084.



This preview shows how white text looks on a background with the XYZ color 58.7635, 71.7809,

15.6084.

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

58.7635, 71.7809, 15.6084

Protanopia

65.0837, 71.8349, 14.9927

Deuteranopia

70.7840, 71.1484, 40.1393



Tritanopia

72.9216, 71.6392, 84.8473

Trichromacy



Original Color

58.7635, 71.7809, 15.6084

Protanomaly

62.8128, 71.8473, 15.2600

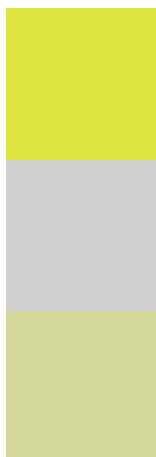
Deuteranomaly

65.7449, 71.0982, 28.3474

Tritanomaly

65.5422, 70.5542, 48.1941

Monochromacy



Original Color

58.7635, 71.7809, 15.6084

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

57.9972, 65.6582, 41.0690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7635, 71.7809, 15.6084 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(221, 229, 64)` looks like.

```
.text, #text, p{  
    color:rgb(221, 229, 64)  
}
```

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(221, 229, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 229, 64) }
```

Border

The CSS property to change the border of an element to XYZ 58.7635, 71.7809, 15.6084 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(221, 229, 64) }
```


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

```
.border{ border-color:rgb(221, 229, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 229, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 229, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 229, 64);  
box-shadow:4px 4px 4px 4px rgb(221, 229,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7635, 71.7809, 15.6084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 229, 64) }
```

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

```
.background{ background-color: rgb(221,  
229, 64) }
```

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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