

Converting Colors

XYZ(58.5679, 74.0038, 16.6716)

Have a look what the booklet for
XYZ(58.5679, 74.0038, 16.6716)
contains.

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Color

**XYZ(58.7761, 74.2811,
16.7087)**

Conversions

Conversions Part 1

Format	Color
Hex	D7EB44
RGB	215, 235, 68
RGB Percent	84%, 92%, 27%
CMY	0.1569, 0.0784, 0.7333
CMYK	0.09, 0.00, 0.71, 0.08
HSL	67°, 81%, 59%
HSV	67°, 71%, 92%
XYZ	58.7761, 74.2811, 16.7087
YIQ	209.9820, 41.6870, -56.1770

Conversions

Conversions Part 2

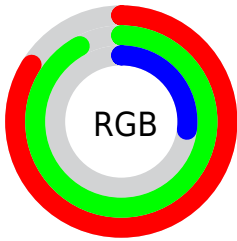
Format	Color
RYB	68, 235, 88
Decimal	14150468
CIELab	89.06, -26.84, 74.05
CIELCh	89, 78.769, 109.924
Yxy	74.2811, 0.3925, 0.4960
Android (android.graphics.Color)	4292340548 (0xFFD7EB44)
YUV	209.9820, -69.9971, 4.4008
Hunter-Lab	86.1865, -29.0957, 48.8362

Details

The XYZ color **58.7761, 74.2811, 16.7087** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **21.0894, 12.2088, 79.8468**, and the grayscale version is **61.6747, 64.8866, 70.6615**.

A 20% lighter version of the original color is **80.7659, 94.2864, 33.6809**, and **29.8304, 39.3081, 6.0150** is the 20% darker color. If you saturate the color by 10%, you get **57.3787, 73.6302, 13.6209**, and if you desaturate by 10%, it is **60.4784, 75.0611, 21.3132**.

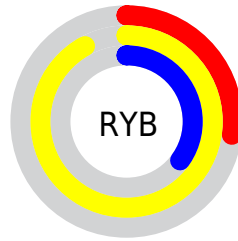
Distribution



Red (84%)

Green (92%)

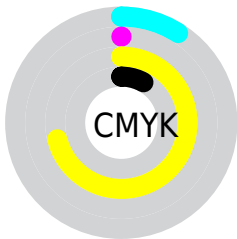
Blue (27%)



Red (27%)

Yellow (92%)

Blue (35%)

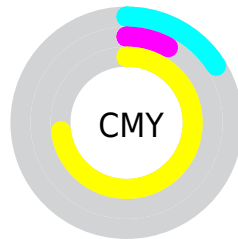


Cyan (9%)

Magenta (0%)

Yellow (71%)

Black (8%)



Cyan (16%)


Magenta (8%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7761, 74.2811, 16.7087 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 58.7761, 74.2811, 16.7087 by changing the saturation by 10% instead.


 58.7761, 74.2811,
16.7087


 58.7761, 74.2811,
16.7087


409.9791,
475.4430, 245.4749


 42.6786, 55.0241,
9.8673


 102.1687,
125.2942, 38.6080


 29.8264, 39.4211,
5.2066


 130.1944,
157.8191, 54.5030


 19.8543, 27.0874,
2.3081


 162.9270,
195.5355, 74.2528

 12.3968, 17.6389,
0.7358

 200.7317,
238.8278, 98.2762

 7.0887, 10.6911,
0.0000

 243.9739,
288.0802, 126.9915

 3.5644, 5.8595,
0.0000

293.0189,

 1.4588, 2.7598,

343.6773, 160.8174

0.0000

348.2322,
406.0034, 200.1723

■ 0.2975, 1.0077,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7761, 74.2811,
16.7087

■ 58.7761, 74.2811,
16.7087

■ 57.3787, 73.6302,
13.6209

■ 60.4784, 75.0611,
21.3132

■ 56.2444, 73.0834,
11.8518


■ 62.5113, 75.9722,
27.5913


■ 55.4010, 72.6642,
11.1057

■ 64.9033, 77.0286,
35.6853


■ 67.6783, 78.2400,
45.7212

 70.8583, 79.6149,
57.8138

 74.4634, 81.1617,
72.0690

 78.5124, 82.8876,
88.5854

 82.8597, 84.7346,
106.5960

 83.8099, 85.2245,
106.6405

Harmonies

Analogous

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



77.2460, 74.2811, 15.1232



58.7761, 74.2811, 16.7087



45.9956, 74.2811, 30.1915

Triad

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



58.7761, 74.2811, 16.7087



49.4392, 74.2811, 191.4684



113.4448, 74.2811, 100.7800

Complementary

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



58.7761, 74.2811, 16.7087



21.0894, 12.2088, 79.8468

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.



102.7135, 74.2811, 169.6057



58.7761, 74.2811, 16.7087



64.3503, 74.2811, 235.6003

Square

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



58.7761, 74.2811, 16.7087



41.3195, 74.2811, 122.4292



83.9163, 74.2811, 226.1663



111.2137, 74.2811, 49.9873

Rectangle

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



58.7761, 74.2811, 16.7087



41.3429, 74.2811, 49.7970



83.9163, 74.2811, 226.1663



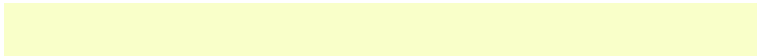
111.1686, 74.2811, 122.7756

Sweetspot

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



58.7778, 74.2845, 16.7102



85.2747, 95.8218, 69.5373



38.7544, 24.9765, 8.2482



18.0144, 20.4072, 13.9656



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.



58.7778, 74.2845, 16.7102



68.4377, 88.3251, 15.2963



40.2729, 64.7449, 15.8442



16.1640, 17.5301, 16.0504



30.9037, 40.4759, 6.1838



2.4768, 3.2042, 0.4879

Inverse Universe

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



21.0894, 12.2088, 79.8468



20.8796, 9.7195, 95.3833



33.8560, 18.7902, 80.4442



14.3988, 14.6353, 18.9883



8.6697, 3.5053, 43.9626



0.7356, 0.3035, 3.4547

Previews

White Background



This preview shows how the XYZ color 58.7761, 74.2811, 16.7087 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 58.7761, 74.2811, 16.7087 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 58.7761, 74.2811, 16.7087

Background



This preview shows how black text looks on a background with the XYZ color 58.7761, 74.2811, 16.7087.



This preview shows how white text looks on a background with the XYZ color 58.7761, 74.2811, 16.7087.

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

58.7761, 74.2811, 16.7087

Protanopia

67.0341, 74.0170, 15.7547

Deuteranopia

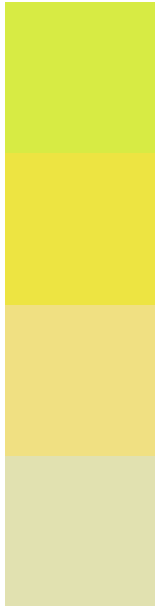
72.8444, 73.6023, 45.9647



Tritanopia

73.5726, 73.7664, 90.4814

Trichromacy



Original Color

58.7761, 74.2811, 16.7087

Protanomaly

63.6518, 73.8847, 16.0606

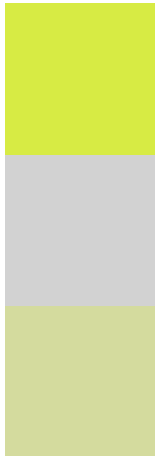
Deuteranomaly

66.6201, 73.4483, 31.7848

Tritanomaly

65.8130, 72.9926, 51.6946

Monochromacy



Original Color

58.7761, 74.2811, 16.7087

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

58.6545, 67.1287, 42.2135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7761, 74.2811, 16.7087 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(215, 235, 68)` looks like.

```
.text, #text, p{  
    color:rgb(215, 235, 68)  
}
```

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(215, 235, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 235, 68) }
```

Border

The CSS property to change the border of an element to XYZ 58.7761, 74.2811, 16.7087 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(215, 235, 68) }
```


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

```
.border{ border-color:rgb(215, 235, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 235, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 235, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 235, 68);  
box-shadow:4px 4px 4px 4px rgb(215, 235,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7761, 74.2811, 16.7087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 235, 68) }
```

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

```
.background{ background-color: rgb(215,  
235, 68) }
```

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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