

Converting Colors

XYZ(65.1491, 68.5007, 18.7629)

Have a look what the booklet for
XYZ(65.1491, 68.5007, 18.7629)
contains.

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Color

**XYZ(65.0474, 68.2843,
18.7686)**

Conversions

Conversions Part 1

Format	Color
Hex	FBD457
RGB	251, 212, 87
RGB Percent	98%, 83%, 34%
CMY	0.0157, 0.1686, 0.6588
CMYK	0.00, 0.16, 0.65, 0.02
HSL	46°, 95%, 66%
HSV	46°, 65%, 98%
XYZ	65.0474, 68.2843, 18.7686
YIQ	209.4110, 63.3690, -30.6070

Conversions

Conversions Part 2

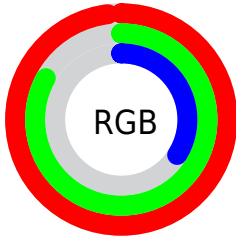
Format	Color
RYB	138, 251, 87
Decimal	16503895
CIELab	86.15, 0.33, 64.81
CIElCh	86, 64.812, 89.710
Yxy	68.2843, 0.4277, 0.4489
Android (android.graphics.Color)	4294693975 (0xFFFFBD457)
YUV	209.4110, -60.3486, 36.4736
Hunter-Lab	82.6343, -4.0999, 44.3776

Details

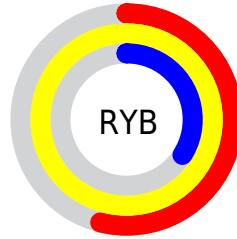
The XYZ color **65.0474, 68.2843, 18.7686** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **28.8036, 23.9121, 94.3635**, and the grayscale version is **61.2277, 64.4163, 70.1493**.

A 20% lighter version of the original color is **81.8825, 94.7330, 39.5608**, and **33.9223, 35.6139, 6.1849** is the 20% darker color. If you saturate the color by 10%, you get **62.7309, 65.0171, 13.7869**, and if you desaturate by 10%, it is **67.7786, 71.8109, 25.6480**.

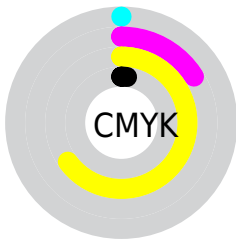
Distribution



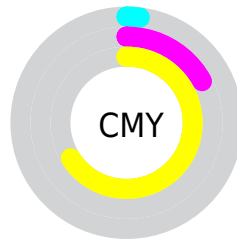
- Red (98%)
- Green (83%)
- Blue (34%)



- Red (54%)
- Yellow (98%)
- Blue (34%)



- Cyan (0%)
- Magenta (16%)
- Yellow (65%)
- Black (2%)



- Cyan (2%)
- Magenta (17%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0474, 68.2843, 18.7686 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 65.0474, 68.2843, 18.7686 by changing the saturation by 10% instead.

65.0474, 68.2843,
18.7686

65.0474, 68.2843,
18.7686

432.5048,
454.5026, 257.5483

47.7644, 50.1291,
11.3281

111.1833,
116.7588, 42.1742

33.8508, 35.5160,
6.1710

140.7669,
147.8468, 58.9764

22.9413, 24.0606,
2.8789

175.1814,
184.0145, 79.7361

14.6707, 15.3786,
1.0331

214.7922,
225.6463, 104.8721

8.6734, 9.0855,
0.0000

259.9645,
273.1267, 134.8027

4.5842, 4.7970,
0.0000

311.0639,

2.0376, 2.1287,

326.8399, 169.9466

0.0000

368.4555,
387.1704, 210.7223

■ 0.6550, 0.6807,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.0474, 68.2843,
18.7686

■ 65.0474, 68.2843,
18.7686

■ 62.7309, 65.0171,
13.7869

■ 67.7786, 71.8109,
25.6480

■ 60.7849, 61.9828,
10.4943

■ 70.9536, 75.6015,
34.5964

■ 59.1627, 59.1643,
8.6401

■ 74.6039, 79.6723,
45.7702

■ 58.4841, 57.9105,
8.0954

■ 78.7567, 84.0351,
59.3098

83.4370, 88.7007,
75.3440

88.6680, 93.6794,
93.9922

93.2060, 98.4744,
108.7027

93.5934, 99.2491,
108.8318

Harmonies

Analogous

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



80.4581, 68.2843, 23.6092



65.0474, 68.2843, 18.7686



51.7085, 68.2843, 23.4163

Triad

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



65.0474, 68.2843, 18.7686



43.0557, 68.2843, 122.9021



92.9296, 68.2843, 123.9112

Complementary

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



65.0474, 68.2843, 18.7686



28.8036, 23.9121, 94.3635

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.



80.1684, 68.2843, 170.8585



65.0474, 68.2843, 18.7686



51.4928, 68.2843, 170.1358

Square

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



65.0474, 68.2843, 18.7686



40.2532, 68.2843, 73.9352



64.7572, 68.2843, 190.3441



97.9889, 68.2843, 74.7664

Rectangle

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



65.0474, 68.2843, 18.7686



45.4029, 68.2843, 32.8997



64.7572, 68.2843, 190.3441



89.3110, 68.2843, 141.0635

Sweetspot

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



65.0490, 68.2876, 18.7700



84.1520, 89.6454, 69.9947



47.0883, 28.8846, 23.5164



17.7236, 18.8987, 13.9985



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.



65.0490, 68.2876, 18.7700



64.4411, 66.5162, 13.1967



62.7958, 83.3837, 21.8026



18.3572, 19.4502, 18.2491



30.8600, 30.6766, 4.2947



2.9393, 3.0035, 0.4248

Inverse Universe

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



28.8036, 23.9121, 94.3635



24.5758, 17.8422, 96.7563



29.7234, 18.3713, 93.2456



16.6180, 17.3129, 21.8512



10.0861, 5.5277, 48.5089



1.0123, 0.6682, 4.5188

Previews

White Background



This preview shows how the XYZ color 65.0474, 68.2843, 18.7686 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 65.0474, 68.2843, 18.7686 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 65.0474, 68.2843, 18.7686

Background



This preview shows how black text looks on a background with the XYZ color 65.0474, 68.2843, 18.7686.



This preview shows how white text looks on a background with the XYZ color 65.0474, 68.2843,

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

65.0474, 68.2843, 18.7686

Protanopia

62.2525, 68.3416, 19.1427

Deuteranopia

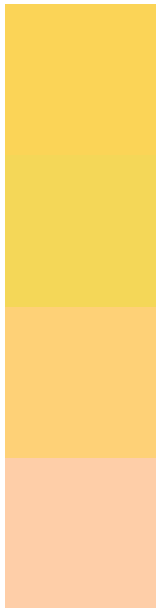
68.3833, 68.2067, 33.6058



Tritanopia

74.4981, 68.3561, 72.8859

Trichromacy



Original Color

65.0474, 68.2843, 18.7686

Protanomaly

63.3701, 68.5386, 19.1218

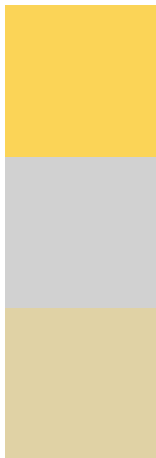
Deuteranomaly

67.0033, 68.0037, 27.0473

Tritanomaly

70.0122, 68.0406, 46.4889

Monochromacy



Original Color

65.0474, 68.2843, 18.7686

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

60.5786, 64.6571, 44.8845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0474, 68.2843, 18.7686 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(251, 212, 87)` looks like.

```
.text, #text, p{  
    color:rgb(251, 212, 87)  
}
```

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(251, 212, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 212, 87) }
```

Border

The CSS property to change the border of an element to XYZ 65.0474, 68.2843, 18.7686 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(251, 212, 87) }
```


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

```
.border{ border-color:rgb(251, 212, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 212, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 212, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 212, 87);  
box-shadow:4px 4px 4px 4px rgb(251, 212,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0474, 68.2843, 18.7686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 212, 87) }
```

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

```
.background{ background-color: rgb(251,  
212, 87) }
```

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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