

Converting Colors

XYZ(94.4975, 82.9811, 19.6577)

Have a look what the booklet for
XYZ(94.4975, 82.9811, 19.6577)
contains.

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Color

**XYZ(66.1740, 68.5044,
18.3293)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD355
RGB	255, 211, 85
RGB Percent	100%, 83%, 33%
CMY	0.0000, 0.1725, 0.6667
CMYK	0.00, 0.17, 0.67, 0.00
HSL	44°, 100%, 67%
HSV	44°, 67%, 100%
XYZ	66.1740, 68.5044, 18.3293
YIQ	209.7920, 66.6700, -29.8580

Conversions

Conversions Part 2

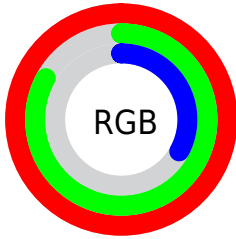
Format	Color
RYB	144, 255, 85
Decimal	16765781
CIELab	86.26, 2.38, 65.88
CIElCh	86, 65.919, 87.927
Yxy	68.5044, 0.4325, 0.4477
Android (android.graphics.Color)	4294955861 (0xFFFFD355)
YUV	209.7920, -61.5225, 39.6474
Hunter-Lab	82.7674, -2.1290, 44.8071

Details

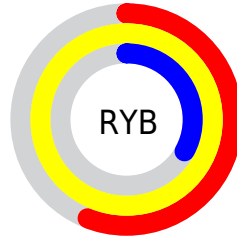
The XYZ color **66.1740, 68.5044, 18.3293** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **29.6464, 24.8511, 97.8415**, and the grayscale version is **61.4840, 64.6859, 70.4429**.

A 20% lighter version of the original color is **81.7336, 94.6734, 38.7769**, and **34.7381, 35.7862, 5.9962** is the 20% darker color. If you saturate the color by 10%, you get **63.7322, 64.9607, 13.3862**, and if you desaturate by 10%, it is **69.0511, 72.3353, 25.2189**.

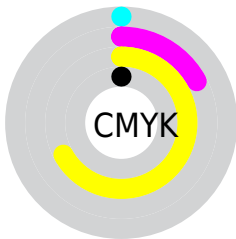
Distribution



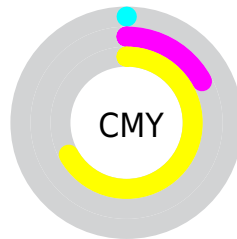
- Red (100%)
- Green (83%)
- Blue (33%)



- Red (56%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (17%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (17%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1740, 68.5044, 18.3293 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 66.1740, 68.5044, 18.3293 by changing the saturation by 10% instead.

66.1740, 68.5044,
18.3293

66.1740, 68.5044,
18.3293

436.4777,
455.2811, 255.0188

48.6819, 50.3082,
11.0148

112.7924,
117.0734, 41.4191

34.5807, 35.6583,
5.9625

142.6494,
148.2151, 58.0315

23.5051, 24.1704,
2.7539

177.3587,
184.4406, 78.5803

15.0896, 15.4601,
0.9704

217.2857,
226.1345, 103.4840

8.9690, 9.1429,
0.0000

262.7957,
273.6811, 133.1612

4.7779, 4.8345,
0.0000

314.2542,

2.1510, 2.1505,

327.4648, 168.0303

0.0000

372.0264,
387.8700, 208.5100

■ 0.7167, 0.6928,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.1740, 68.5044,
18.3293

■ 66.1740, 68.5044,
18.3293

■ 63.7322, 64.9607,
13.3862

■ 69.0511, 72.3353,
25.2189

■ 61.6789, 61.6761,
10.1675

■ 72.3948, 76.4591,
34.2365

■ 59.9629, 58.6316,
8.4008

■ 76.2384, 80.8931,
45.5474

■ 59.4393, 57.6588,
7.9965

■ 80.6109, 85.6499,
59.2993

■ 85.5384, 90.7415,
75.6276

■ 91.0457, 96.1786,
94.6575

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



81.8882, 68.5044, 23.7839



66.1740, 68.5044, 18.3293



52.3656, 68.5044, 22.3990

Triad

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



66.1740, 68.5044, 18.3293



42.5606, 68.5044, 121.0348



93.1353, 68.5044, 128.4196

Complementary

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



66.1740, 68.5044, 18.3293



29.6464, 24.8511, 97.8415

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.



79.7738, 68.5044, 175.6198



66.1740, 68.5044, 18.3293



50.7984, 68.5044, 170.3170

Square

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



66.1740, 68.5044, 18.3293



40.0632, 68.5044, 71.6035



64.0602, 68.5044, 193.3301



98.8860, 68.5044, 77.6576

Rectangle

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



66.1740, 68.5044, 18.3293



45.7450, 68.5044, 31.4003



64.0602, 68.5044, 193.3301



89.2923, 68.5044, 145.8699

Sweetspot

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



66.1756, 68.5077, 18.3307



83.8323, 89.0060, 69.8882



48.5405, 29.3783, 24.3498



17.6463, 18.7441, 13.9727



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.



66.1756, 68.5077, 18.3307



63.0067, 63.8374, 12.1330



65.5222, 86.6733, 21.8714



19.1400, 20.2482, 19.0438



31.1856, 30.3825, 4.2208



3.1248, 3.1349, 0.4404

Inverse Universe

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



29.6464, 24.8511, 97.8415



24.3447, 17.7828, 96.7571



29.7080, 18.0528, 96.5260



17.3851, 18.1418, 22.8354



10.5506, 6.0107, 50.0387



1.1111, 0.7528, 4.9000

Previews

White Background



This preview shows how the XYZ color 66.1740, 68.5044, 18.3293 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 66.1740, 68.5044, 18.3293 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 66.1740, 68.5044, 18.3293

Background



This preview shows how black text looks on a background with the XYZ color 66.1740, 68.5044, 18.3293.



This preview shows how white text looks on a background with the XYZ color 66.1740, 68.5044,

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

66.1740, 68.5044, 18.3293

Protanopia

62.5518, 68.5006, 18.9419

Deuteranopia

68.4561, 68.2358, 33.9889



Tritanopia

74.4981, 68.3561, 72.8859

Trichromacy



Original Color

66.1740, 68.5044, 18.3293

Protanomaly

63.7323, 68.3579, 18.6394

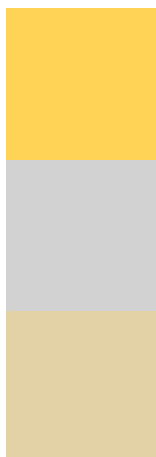
Deuteranomaly

67.3702, 68.1928, 27.0645

Tritanomaly

70.0464, 67.7127, 45.9372

Monochromacy



Original Color

66.1740, 68.5044, 18.3293

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

61.2022, 64.9786, 44.9137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1740, 68.5044, 18.3293 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(255, 211, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 85)  
}
```

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(255, 211, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 85) }
```

Border

The CSS property to change the border of an element to XYZ 66.1740, 68.5044, 18.3293 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(255, 211, 85) }
```


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

```
.border{ border-color:rgb(255, 211, 85) }
```

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

Here you see how a box with a 4 pixel rgb(255, 211, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1740, 68.5044, 18.3293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 85) }
```

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

```
.background{ background-color: rgb(255,  
211, 85) }
```

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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