

Converting Colors

XYZ(67.1728, 70.4627, 18.7834)

Have a look what the booklet for
XYZ(67.1728, 70.4627, 18.7834)
contains.

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Color

**XYZ(67.2202, 70.5328,
18.8754)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD756
RGB	255, 215, 86
RGB Percent	100%, 84%, 34%
CMY	0.0000, 0.1568, 0.6627
CMYK	0.00, 0.16, 0.66, 0.00
HSL	46°, 100%, 67%
HSV	46°, 66%, 100%
XYZ	67.2202, 70.5328, 18.8754
YIQ	212.2540, 65.2490, -31.6390

Conversions

Conversions Part 2

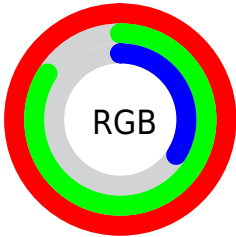
Format	Color
RYB	138, 255, 86
Decimal	16766806
CIELab	87.26, 0.40, 66.51
CIElCh	87, 66.514, 89.655
Yxy	70.5328, 0.4292, 0.4503
Android (android.graphics.Color)	4294956886 (0xFFFFD756)
YUV	212.2540, -62.2432, 37.4882
Hunter-Lab	83.9838, -4.1012, 45.4632

Details

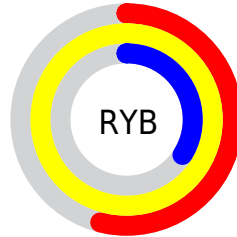
The XYZ color **67.2202, 70.5328, 18.8754** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **29.3484, 24.1194, 97.7159**, and the grayscale version is **63.1210, 66.4082, 72.3185**.

A 20% lighter version of the original color is **81.8077, 94.7031, 39.1671**, and **35.4260, 37.1620, 6.2255** is the 20% darker color. If you saturate the color by 10%, you get **64.8625, 67.1788, 13.8933**, and if you desaturate by 10%, it is **70.0042, 74.1535, 25.8082**.

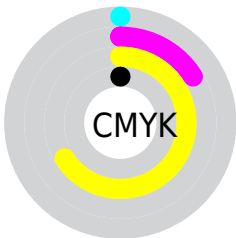
Distribution



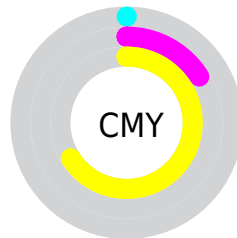
- Red (100%)
- Green (84%)
- Blue (34%)



- Red (54%)
- Yellow (100%)
- Blue (34%)



- Cyan (0%)
- Magenta (16%)
- Yellow (66%)
- Black (0%)



- Cyan (0%)
- Magenta (16%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2202, 70.5328, 18.8754 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 67.2202, 70.5328, 18.8754 by changing the saturation by 10% instead.

67.2202, 70.5328,
18.8754

67.2202, 70.5328,
18.8754

440.1483,
462.4186, 258.1598

49.5350, 51.9610,
11.4044

114.2839,
119.9683, 42.3573

35.2603, 36.9740,
6.2219

144.3931,
151.6007, 59.2053

24.0309, 25.1874,
2.9095

179.3744,
188.3555, 80.0161

15.4814, 16.2167,
1.0486

219.5930,
230.6171, 105.2081

9.2465, 9.6776,
0.0000

265.4143,
278.7697, 135.1999

4.9607, 5.1857,
0.0000

317.2038,

2.2587, 2.3567,

333.1980, 170.4101

0.0000

375.3266,
394.2861, 211.2572

■ 0.7734, 0.8035,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.2202, 70.5328,
18.8754

■ 67.2202, 70.5328,
18.8754

■ 64.8625, 67.1788,
13.8933

■ 70.0042, 74.1535,
25.8082

■ 62.8845, 64.0637,
10.6416

■ 73.2453, 78.0458,
34.8723

■ 61.2361, 61.1693,
8.8523

■ 76.9764, 82.2268,
46.2319

■ 60.6775, 60.1353,
8.4092

■ 81.2262, 86.7088,
60.0344

■ 86.0208, 91.5031,
76.4145

■ 91.3844, 96.6203,
95.4972

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.



83.3988, 70.5328, 23.8901



67.2202, 70.5328, 18.8754



53.2406, 70.5328, 23.6532

Triad

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



67.2202, 70.5328, 18.8754



44.1654, 70.5328, 127.7465



96.4669, 70.5328, 129.0092

Complementary

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



67.2202, 70.5328, 18.8754



29.3484, 24.1194, 97.7159

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.



83.0372, 70.5328, 178.5167



67.2202, 70.5328, 18.8754



52.9726, 70.5328, 177.6100

Square

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



67.2202, 70.5328, 18.8754



41.2517, 70.5328, 76.2818



66.8587, 70.5328, 199.0383



101.8101, 70.5328, 77.3170

Rectangle

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



67.2202, 70.5328, 18.8754



46.6418, 70.5328, 33.4644



66.8587, 70.5328, 199.0383



92.6552, 70.5328, 147.0887

Sweetspot

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



67.2218, 70.5362, 18.8768



84.1690, 89.6795, 70.0004



48.4808, 29.4813, 23.6447



17.7277, 18.9069, 13.9999



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.



67.2218, 70.5362, 18.8768



64.0835, 65.9909, 12.4919



64.8080, 86.3004, 22.0468



19.1755, 20.3192, 19.0557



31.8263, 31.6638, 4.4343



3.1824, 3.2502, 0.4596

Inverse Universe

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



29.3484, 24.1194, 97.7159



23.9033, 16.8999, 96.6099



30.3182, 18.4850, 96.5773



17.3519, 18.0754, 22.8243



10.3798, 5.6692, 49.9818



1.0904, 0.7114, 4.8931

Previews

White Background



This preview shows how the XYZ color 67.2202, 70.5328, 18.8754 looks on a white background.

Color Contrast Check

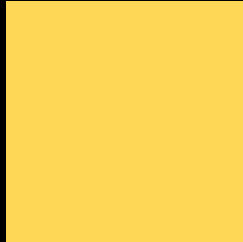
Large Text (above 18pt) WCAG AA × Fail

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 67.2202, 70.5328, 18.8754 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 67.2202, 70.5328, 18.8754

Background



This preview shows how black text looks on a background with the XYZ color 67.2202, 70.5328, 18.8754.



This preview shows how white text looks on a background with the XYZ color 67.2202, 70.5328,

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

67.2202, 70.5328, 18.8754

Protanopia

64.3600, 70.5843, 19.2488

Deuteranopia

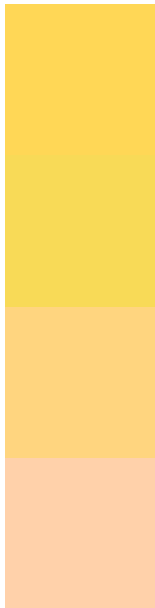
70.2885, 70.5490, 38.7669



Tritanopia

75.9662, 70.4646, 75.9268

Trichromacy



Original Color

67.2202, 70.5328, 18.8754

Protanomaly

65.5031, 70.7874, 19.2278

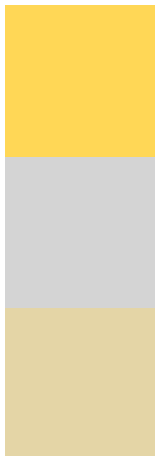
Deuteranomaly

68.8650, 70.3808, 30.0340

Tritanomaly

71.2962, 69.7632, 47.7381

Monochromacy



Original Color

67.2202, 70.5328, 18.8754

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.6721, 66.8357, 45.6738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2202, 70.5328, 18.8754 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, 215, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 86)  
}
```

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, 215, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 86) }
```

Border

The CSS property to change the border of an element to XYZ 67.2202, 70.5328, 18.8754 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, 215, 86) }
```


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

```
.border{ border-color:rgb(255, 215, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2202, 70.5328, 18.8754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 86) }
```

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

```
.background{ background-color: rgb(255,  
215, 86) }
```

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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