

Converting Colors

XYZ(66.3471, 69.7589, 23.7798)

Have a look what the booklet for
XYZ(66.3471, 69.7589, 23.7798)
contains.

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Color

**XYZ(66.1248, 69.4787,
23.8355)**

Conversions

Conversions Part 1

Format	Color
Hex	FAD66B
RGB	250, 214, 107
RGB Percent	98%, 84%, 42%
CMY	0.0196, 0.1608, 0.5804
CMYK	0.00, 0.14, 0.57, 0.02
HSL	45°, 93%, 70%
HSV	45°, 57%, 98%
XYZ	66.1248, 69.4787, 23.8355
YIQ	212.5660, 55.8030, -25.6450

Conversions

Conversions Part 2

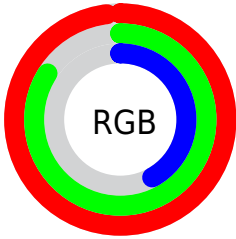
Format	Color
RYB	155, 250, 107
Decimal	16438891
CIELab	86.74, 0.20, 56.60
CIElCh	87, 56.603, 89.802
Yxy	69.4787, 0.4147, 0.4358
Android (android.graphics.Color)	4294628971 (0xFFFAD66B)
YUV	212.5660, -52.0440, 32.8296
Hunter-Lab	83.3539, -4.2649, 41.3934

Details

The XYZ color **66.1248, 69.4787, 23.8355** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.1409, 29.6718, 94.4227**, and the grayscale version is **63.2679, 66.5627, 72.4868**.

A 20% lighter version of the original color is **83.4330, 95.3532, 47.7258**, and **34.7225, 36.4843, 8.7021** is the 20% darker color. If you saturate the color by 10%, you get **63.4335, 65.9056, 17.3610**, and if you desaturate by 10%, it is **69.2611, 73.3336, 32.3352**.

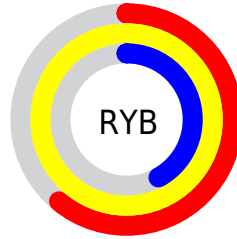
Distribution



Red (98%)

Green (84%)

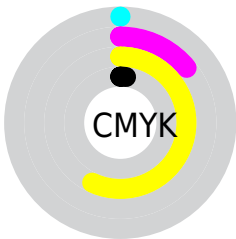
Blue (42%)



Red (61%)

Yellow (98%)

Blue (42%)

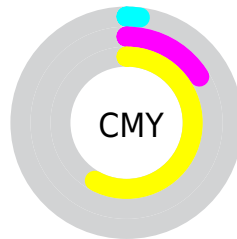


Cyan (0%)

Magenta (14%)

Yellow (57%)

Black (2%)



Cyan (2%)


Magenta (16%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.1248, 69.4787, 23.8355 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 66.1248, 69.4787, 23.8355 by changing the saturation by 10% instead.


 66.1248, 69.4787,
23.8355


 66.1248, 69.4787,
23.8355


436.3047,
458.7175, 285.2475

 48.6418, 51.1017,
15.0006


 112.7222,
118.4650, 50.7021


 34.5488, 36.2895,
8.6732


 142.5673,
149.8431, 69.5708

 23.4804, 24.6579,
4.4347


 177.2637,
186.3237, 92.6212

 15.0713, 15.8223,
1.8667

 217.1770,
228.2912, 120.2719

 8.9561, 9.3985,
0.4714

262.6723,
276.1299, 152.9413

 4.7694, 5.0020,
0.0000

314.1152,

 2.1460, 2.2485,

330.2242, 191.0480

0.0000

371.8708,
390.9586, 235.0106

■ 0.7140, 0.7462,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.1248, 69.4787,
23.8355

■ 66.1248, 69.4787,
23.8355

■ 63.4335, 65.9056,
17.3610

■ 69.2611, 73.3336,
32.3352

■ 61.1478, 62.5894,
12.7294


■ 72.8678, 77.4735,
43.0130


■ 59.2289, 59.5162,
9.7328


■ 76.9742, 81.9139,
56.0115


■ 57.6249, 56.6640,
8.1012

■ 81.6054, 86.6658,
71.4605

 57.2101, 55.8957,
7.7737

 86.7848, 91.7397,
89.4795

 92.2100, 97.0156,
108.4736

 93.2342, 99.0639,
108.8150

Harmonies

Analogous

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



79.6103, 69.4787, 28.6886



66.1248, 69.4787, 23.8355



54.2348, 69.4787, 28.5578

Triad

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



66.1248, 69.4787, 23.8355



46.4114, 69.4787, 117.7208



90.4297, 69.4787, 118.3036

Complementary

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



66.1248, 69.4787, 23.8355



33.1409, 29.6718, 94.4227

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.



79.4391, 69.4787, 157.6409



66.1248, 69.4787, 23.8355



54.1022, 69.4787, 157.2331

Square

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



66.1248, 69.4787, 23.8355



43.8143, 69.4787, 75.4006



65.9501, 69.4787, 173.8109



94.7335, 69.4787, 75.9009

Rectangle

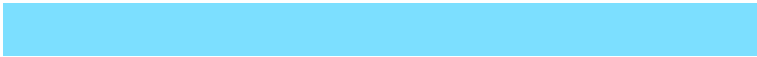
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.1248, 69.4787, 23.8355



48.5228, 69.4787, 37.8339



65.9501, 69.4787, 173.8109



87.3286, 69.4787, 132.7737

Sweetspot

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



66.1264, 69.4820, 23.8369



85.4569, 90.7505, 75.0687



49.8035, 32.8885, 30.5660



18.0726, 19.2044, 15.3247



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.



66.1264, 69.4820, 23.8369



65.8760, 68.2710, 17.1123



65.3460, 84.1282, 26.7050



18.3358, 19.4074, 18.2420



30.4668, 29.8902, 4.1636



2.9058, 2.9365, 0.4137

Inverse Universe

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



33.1409, 29.6718, 94.4227



28.4035, 23.1342, 97.5761



33.3908, 23.0257, 93.1267



16.6380, 17.3528, 21.8578



10.1893, 5.7341, 48.5433



1.0243, 0.6923, 4.5228

Previews

White Background



This preview shows how the XYZ color 66.1248, 69.4787, 23.8355 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 66.1248, 69.4787, 23.8355 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 66.1248, 69.4787, 23.8355

Background



This preview shows how black text looks on a background with the XYZ color 66.1248, 69.4787, 23.8355.



This preview shows how white text looks on a background with the XYZ color 66.1248, 69.4787,

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

66.1248, 69.4787, 23.8355

Protanopia

63.7134, 69.7508, 24.2926

Deuteranopia

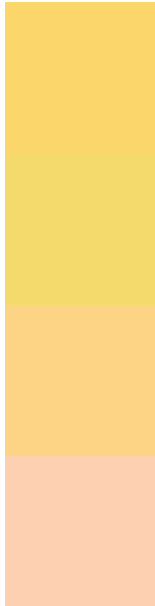
69.6319, 69.4913, 37.7601



Tritanopia

75.3573, 69.4555, 75.0801

Trichromacy



Original Color

66.1248, 69.4787, 23.8355

Protanomaly

64.8279, 69.9415, 24.2706

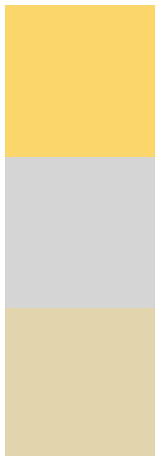
Deuteranomaly

68.0359, 69.1646, 31.9545

Tritanomaly

70.9997, 69.1687, 51.2038

Monochromacy



Original Color

66.1248, 69.4787, 23.8355

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.7983, 66.8132, 49.6308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1248, 69.4787, 23.8355 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(250, 214, 107)` looks like.

```
.text, #text, p{  
    color:rgb(250, 214, 107)  
}
```

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(250, 214, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 214, 107) }
```

Border

The CSS property to change the border of an element to XYZ 66.1248, 69.4787, 23.8355 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(250, 214, 107) }
```


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

```
.border{ border-color:rgb(250, 214, 107) }
```

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

Here you see how a box with a 4 pixel rgb(250, 214, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 214, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 214, 107);  
box-shadow:4px 4px 4px 4px rgb(250, 214,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1248, 69.4787, 23.8355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 214, 107) }
```

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

```
.background{ background-color: rgb(250,  
214, 107) }
```

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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