

Converting Colors

XYZ(64.8102, 67.7579, 24.3308)

Have a look what the booklet for
XYZ(64.8102, 67.7579, 24.3308)
contains.

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Color

**XYZ(64.8201, 67.6708,
24.3972)**

Conversions

Conversions Part 1

Format	Color
Hex	F8D36E
RGB	248, 211, 110
RGB Percent	97%, 83%, 43%
CMY	0.0275, 0.1725, 0.5686
CMYK	0.00, 0.15, 0.56, 0.03
HSL	44°, 91%, 70%
HSV	44°, 56%, 97%
XYZ	64.8201, 67.6708, 24.3972
YIQ	210.5490, 54.4730, -23.5670

Conversions

Conversions Part 2

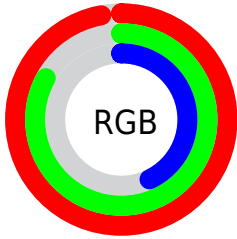
Format	Color
RYB	161, 248, 110
Decimal	16307054
CIELab	85.84, 1.14, 54.11
CIELCh	86, 54.125, 88.796
Yxy	67.6708, 0.4132, 0.4313
Android (android.graphics.Color)	4294497134 (0xFFFF8D36E)
YUV	210.5490, -49.5707, 32.8445
Hunter-Lab	82.2623, -3.3065, 39.9995

Details

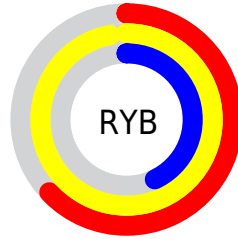
The XYZ color **64.8201, 67.6708, 24.3972** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.8069, 30.9585, 93.0002**, and the grayscale version is **61.9122, 65.1364, 70.9336**.

A 20% lighter version of the original color is **83.7008, 95.4603, 49.1361**, and **33.8070, 35.2382, 9.0228** is the 20% darker color. If you saturate the color by 10%, you get **62.0371, 63.9718, 17.7147**, and if you desaturate by 10%, it is **68.0524, 71.6640, 33.0947**.

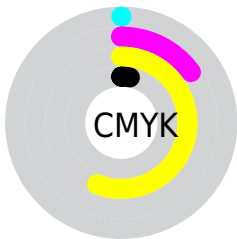
Distribution



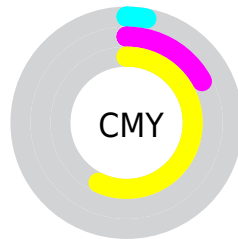
- Red (97%)
- Green (83%)
- Blue (43%)



- Red (63%)
- Yellow (97%)
- Blue (43%)



- Cyan (0%)
- Magenta (15%)
- Yellow (56%)
- Black (3%)



- Cyan (3%)
- Magenta (17%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8201, 67.6708, 24.3972 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 64.8201, 67.6708, 24.3972 by changing the saturation by 10% instead.

64.8201, 67.6708,
24.3972

64.8201, 67.6708,
24.3972

431.7006,
452.3288, 288.1734

47.5794, 49.6300,
15.4136

110.8583,
115.8811, 51.6295

33.7038, 35.1195,
8.9603

140.3865,
146.8193, 70.7154

22.8279, 23.7549,
4.6189

174.7413,
182.8254, 94.0057

14.5865, 15.1519,
1.9706

214.2880,
224.2839, 121.9190

8.6141, 8.9261,
0.5371

259.3919,
271.5791, 154.8739

4.5454, 4.6930,
0.0000

310.4184,

2.0151, 2.0683,

325.0953, 193.2889

0.0000

367.7328,
385.2171, 237.5826

■ 0.6424, 0.6467,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8201, 67.6708,
24.3972

■ 64.8201, 67.6708,
24.3972

■ 62.0371, 63.9718,
17.7147

■ 68.0524, 71.6640,
33.0947

■ 59.6654, 60.5428,
12.8722


■ 71.7587, 75.9548,
43.9544


■ 57.6680, 57.3701,
9.6716

■ 75.9674, 80.5583,
57.1144

■ 55.9971, 54.4334,
7.8660

■ 80.7028, 85.4857,
72.7000

 55.3406, 53.2152,
7.3548

 85.9879, 90.7472,
90.8277

 91.2257, 96.1053,
108.3498

 92.5212, 98.6963,
108.7817

Harmonies

Analogous

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



77.4491, 67.6708, 29.4175



64.8201, 67.6708, 24.3972



53.5259, 67.6708, 28.6483

Triad

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



64.8201, 67.6708, 24.3972



45.6414, 67.6708, 111.6182



86.8902, 67.6708, 114.9200

Complementary

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



64.8201, 67.6708, 24.3972



33.8069, 30.9585, 93.0002

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.



76.4735, 67.6708, 150.9751



64.8201, 67.6708, 24.3972



52.7638, 67.6708, 148.6780

Square

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



64.8201, 67.6708, 24.3972



43.3445, 67.6708, 72.2600



63.8206, 67.6708, 164.9545



91.1580, 67.6708, 75.1225

Rectangle

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



64.8201, 67.6708, 24.3972



48.0282, 67.6708, 37.2947



63.8206, 67.6708, 164.9545



83.9311, 67.6708, 128.2972

Sweetspot

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



64.8217, 67.6740, 24.3986



85.2437, 90.3242, 74.9976



49.7203, 33.2820, 32.2799



18.0220, 19.1031, 15.3078



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.



64.8217, 67.6740, 24.3986



65.6958, 67.6017, 18.0042



65.3252, 83.1811, 27.3652



18.3108, 19.3574, 18.2337



30.0169, 28.9905, 4.0137



2.8674, 2.8596, 0.4008

Inverse Universe

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



33.8069, 30.9585, 93.0002



29.6955, 25.0636, 97.8804



33.3181, 23.4967, 91.5857



16.6615, 17.3998, 21.8656



10.3185, 5.9926, 48.5864



1.0391, 0.7218, 4.5277

Previews

White Background



This preview shows how the XYZ color 64.8201, 67.6708, 24.3972 looks on a white background.

Color Contrast Check

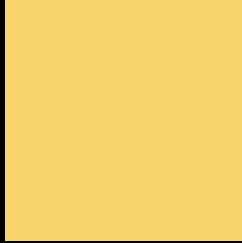
Large Text (above 18pt) WCAG AA × Fail

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 64.8201, 67.6708, 24.3972 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 64.8201, 67.6708, 24.3972

Background



This preview shows how black text looks on a background with the XYZ color 64.8201, 67.6708, 24.3972.



This preview shows how white text looks on a background with the XYZ color 64.8201, 67.6708,

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

64.8201, 67.6708, 24.3972

Protanopia

62.0947, 67.7531, 24.8438

Deuteranopia

68.2130, 67.7497, 33.9079



Tritanopia

74.1600, 67.4748, 73.4053

Trichromacy



Original Color

64.8201, 67.6708, 24.3972

Protanomaly

63.1914, 67.9416, 24.8224

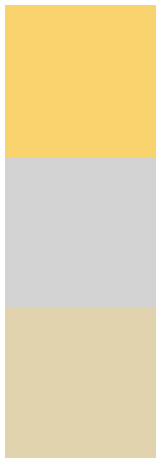
Deuteranomaly

66.5970, 67.3657, 29.9149

Tritanomaly

69.6736, 67.0555, 50.8658

Monochromacy



Original Color

64.8201, 67.6708, 24.3972

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

61.6747, 65.4918, 49.4350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8201, 67.6708, 24.3972 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(248, 211, 110)` looks like.

```
.text, #text, p{  
    color:rgb(248, 211, 110)  
}
```

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(248, 211, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 211, 110) }
```

Border

The CSS property to change the border of an element to XYZ 64.8201, 67.6708, 24.3972 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(248, 211, 110) }
```


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

```
.border{ border-color:rgb(248, 211, 110) }
```

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

Here you see how a box with a 4 pixel rgb(248, 211, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 211, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 211, 110);  
box-shadow:4px 4px 4px 4px rgb(248, 211,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8201, 67.6708, 24.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 211, 110) }
```

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

```
.background{ background-color: rgb(248,  
211, 110) }
```

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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