

Converting Colors

XYZ(64.5600, 68.6250, 23.2025)

Have a look what the booklet for
XYZ(64.5600, 68.6250, 23.2025)
contains.

XYZ(64.6024, 68.7059, 23.2213)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.6024, 68.7059,
23.2213)**

Conversions

Conversions Part 1

Format	Color
Hex	F6D669
RGB	246, 214, 105
RGB Percent	96%, 84%, 41%
CMY	0.0353, 0.1608, 0.5882
CMYK	0.00, 0.13, 0.57, 0.04
HSL	46°, 89%, 69%
HSV	46°, 57%, 96%
XYZ	64.6024, 68.7059, 23.2213
YIQ	211.1420, 54.0610, -27.1150

Conversions

Conversions Part 2

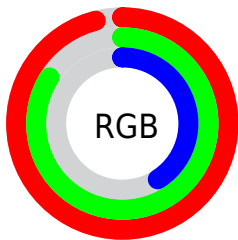
Format	Color
R _Y B	146, 246, 105
Decimal	16176745
CIE Lab	86.36, -1.58, 56.99
CIE LCh	86, 57.010, 91.591
Yxy	68.7059, 0.4127, 0.4389
Android (android.graphics.Color)	4294366825 (0xFFF6D669)
YUV	211.1420, -52.3280, 30.5705
Hunter-Lab	82.8890, -5.9357, 41.4123

Details

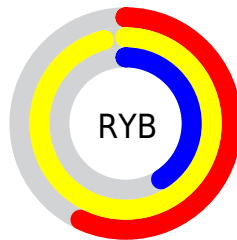
The XYZ color **64.6024, 68.7059, 23.2213** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.4057, 27.5475, 90.8502**, and the grayscale version is **62.3224, 65.5680, 71.4035**.

A 20% lighter version of the original color is **83.2580, 95.2832, 46.8042**, and **33.6842, 35.9543, 8.4133** is the 20% darker color. If you saturate the color by 10%, you get **62.1283, 65.4970, 17.0355**, and if you desaturate by 10%, it is **67.4938, 72.1644, 31.3515**.

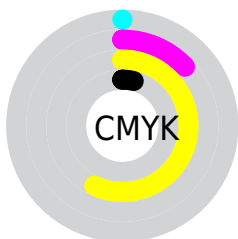
Distribution



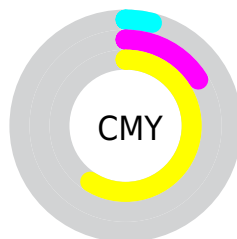
- Red (96%)
- Green (84%)
- Blue (41%)



- Red (57%)
- Yellow (96%)
- Blue (41%)



- Cyan (0%)
- Magenta (13%)
- Yellow (57%)
- Black (4%)





- Cyan (4%)
- Magenta (16%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.6024, 68.7059, 23.2213 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 64.6024, 68.7059, 23.2213 by changing the saturation by 10% instead.


 64.6024, 68.7059,
23.2213

 64.6024, 68.7059,
23.2213


430.9296,
455.9930, 282.0183


 47.4023, 50.4722,
14.5502


 110.5469,
117.3614, 49.6842


 33.5630, 35.7888,
8.3612


 140.0220,
148.5521, 68.3131

 22.7194, 24.2711,
4.2359

 174.3195,
184.8305, 91.0983

 14.5060, 15.5348,
1.7556

 213.8047,
226.5811, 118.4584

 8.5575, 9.1956,
0.3984

258.8429,
274.1882, 150.8119

 4.5085, 4.8690,
0.0000

309.7996,

 1.9936, 2.1706,

328.0363, 188.5774

0.0000

367.0400,
388.5098, 232.1733

■ 0.6304, 0.7039,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.6024, 68.7059,
23.2213

■ 64.6024, 68.7059,
23.2213

■ 62.1283, 65.4970,
17.0355

■ 67.4938, 72.1644,
31.3515

■ 60.0337, 62.5140,
12.6185


■ 70.8268, 75.8751,
41.5730


■ 58.2814, 59.7438,
9.7704


■ 74.6292, 79.8526,
54.0232

■ 56.8212, 57.1657,
8.2289


■ 78.9252, 84.1072,
68.8266

 56.4584, 56.4979,
7.9295

 83.7369, 88.6485,
86.0984

 89.0854, 93.4857,
105.9464

 91.2063, 97.1136,
108.5455

 91.8158, 98.3327,
108.7486

Harmonies

Analogous

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



78.1019, 68.7059, 27.4438



64.6024, 68.7059, 23.2213



52.9192, 68.7059, 28.4885

Triad

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



64.6024, 68.7059, 23.2213



46.0262, 68.7059, 119.5775



90.1954, 68.7059, 114.8732

Complementary

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



64.6024, 68.7059, 23.2213



31.4057, 27.5475, 90.8502

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.



79.4819, 68.7059, 155.1151



64.6024, 68.7059, 23.2213



53.9846, 68.7059, 158.4120

Square

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



64.6024, 68.7059, 23.2213



43.1260, 68.7059, 76.8405



66.0084, 68.7059, 173.2002



94.0167, 68.7059, 72.8137

Rectangle

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



64.6024, 68.7059, 23.2213



47.4072, 68.7059, 38.2029



66.0084, 68.7059, 173.2002



87.2155, 68.7059, 129.4939

Sweetspot

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



64.6040, 68.7092, 23.2227



85.7815, 91.3997, 75.1769



47.6381, 31.5287, 27.5826



18.1498, 19.3587, 15.3504



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.



64.6040, 68.7092, 23.2227



66.9729, 70.4648, 17.4779



61.6307, 80.3992, 25.6358



17.5772, 18.6385, 17.4687



30.2460, 30.3776, 4.2693



2.7344, 2.8221, 0.4006

Inverse Universe

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



31.4057, 27.5475, 90.8502



27.8724, 22.0719, 97.3990



32.9453, 22.5618, 89.8068



15.8862, 16.5366, 20.8972



9.7153, 5.2245, 47.0344



0.9283, 0.6079, 4.1587

Previews

White Background



This preview shows how the XYZ color 64.6024, 68.7059, 23.2213 looks on a white background.

Color Contrast Check

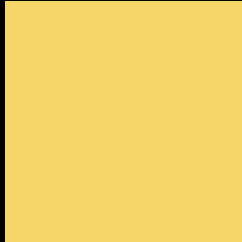
Large Text (above 18pt) WCAG AA × Fail

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 64.6024, 68.7059, 23.2213 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 64.6024, 68.7059, 23.2213

Background



This preview shows how black text looks on a background with the XYZ color 64.6024, 68.7059, 23.2213.

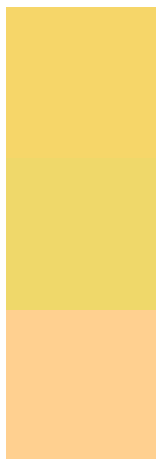


This preview shows how white text looks on a background with the XYZ color 64.6024, 68.7059,

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

64.6024, 68.7059, 23.2213

Protanopia

62.7540, 68.5031, 23.5506

Deuteranopia

68.8299, 68.3854, 35.9575



Tritanopia

74.8849, 68.5108, 74.9227

Trichromacy



Original Color

64.6024, 68.7059, 23.2213

Protanomaly

63.5199, 68.5187, 23.5132

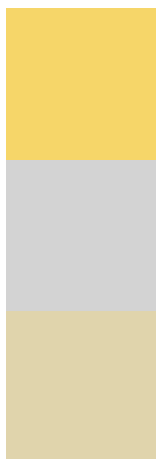
Deuteranomaly

67.2207, 68.4003, 30.7788

Tritanomaly

70.0527, 67.9726, 50.5022

Monochromacy



Original Color

64.6024, 68.7059, 23.2213

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

61.7303, 65.9128, 48.4986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6024, 68.7059, 23.2213 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(246, 214, 105)` looks like.

```
.text, #text, p{  
    color:rgb(246, 214, 105)  
}
```

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(246, 214, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 214, 105) }
```

Border

The CSS property to change the border of an element to XYZ 64.6024, 68.7059, 23.2213 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(246, 214, 105) }
```


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

```
.border{ border-color:rgb(246, 214, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 214, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 214, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 214, 105);  
box-shadow:4px 4px 4px 4px rgb(246, 214,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6024, 68.7059, 23.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 214, 105) }
```

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

```
.background{ background-color: rgb(246,  
214, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor