

Converting Colors

XYZ(69.0642, 73.0712, 23.0344)

Have a look what the booklet for
XYZ(69.0642, 73.0712, 23.0344)
contains.

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Color

**XYZ(68.9698, 72.8823,
23.0030)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDB66
RGB	255, 219, 102
RGB Percent	100%, 86%, 40%
CMY	0.0000, 0.1412, 0.6000
CMYK	0.00, 0.14, 0.60, 0.00
HSL	46°, 100%, 70%
HSV	46°, 60%, 100%
XYZ	68.9698, 72.8823, 23.0030
YIQ	216.4260, 59.0130, -28.7550

Conversions

Conversions Part 2

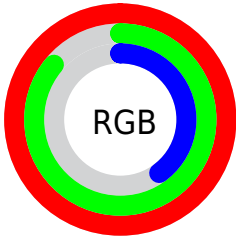
Format	Color
RYB	149, 255, 102
Decimal	16767846
CIELab	88.39, -0.66, 60.87
CIELCh	88, 60.873, 90.618
Yxy	72.8823, 0.4184, 0.4421
Android (android.graphics.Color)	4294957926 (0xFFFFDB66)
YUV	216.4260, -56.4120, 33.8294
Hunter-Lab	85.3711, -5.1925, 43.7843

Details

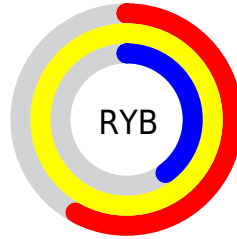
The XYZ color **68.9698, 72.8823, 23.0030** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.6178, 28.2209, 98.3354**, and the grayscale version is **65.9074, 69.3397, 75.5109**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **36.2942, 38.3583, 8.1803** is the 20% darker color. If you saturate the color by 10%, you get **66.3581, 69.3811, 16.8241**, and if you desaturate by 10%, it is **72.0302, 76.6588, 31.2514**.

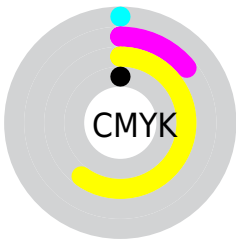
Distribution



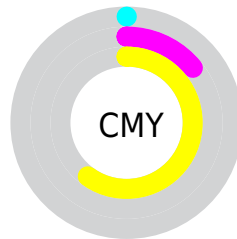
- Red (100%)
- Green (86%)
- Blue (40%)



- Red (58%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (14%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (14%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.9698, 72.8823, 23.0030 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 68.9698, 72.8823, 23.0030 by changing the saturation by 10% instead.

 68.9698, 72.8823,
23.0030

 68.9698, 72.8823,
23.0030


446.2475,
470.6068, 280.8628


 50.9637, 53.8797,
14.3904


 116.7727,
123.3101, 49.3215


 36.4006, 38.5055,
8.2509


 147.3003,
155.5041, 67.8645

 24.9153, 26.3753,
4.1658


 182.7323,
192.8641, 90.5547

 16.1424, 17.1046,
1.7167

 223.4342,
235.7744, 117.8107

 9.7164, 10.3091,
0.3722

269.7713,
284.6194, 150.0509

 5.2722, 5.6044,
0.0000

322.1090,

 2.4442, 2.6060,

339.7835, 187.6940

0.0000

380.8126,
401.6512, 231.1585

■ 0.8672, 0.9297,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.9698, 72.8823,
23.0030

■ 68.9698, 72.8823,
23.0030

■ 66.3581, 69.3811,
16.8241

■ 72.0302, 76.6588,
31.2514

■ 64.1524, 66.1288,
12.5153

■ 75.5671, 80.7143,
41.7351

■ 62.3097, 63.1101,
9.8458

■ 79.6116, 85.0649,
54.6081

■ 60.7574, 60.2950,
8.4359

■ 84.1906, 89.7224,
70.0097

60.7571, 60.2946,
8.4358

89.3292, 94.6975,
88.0680

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.



84.0021, 72.8823, 27.8418



68.9698, 72.8823, 23.0030



55.9176, 72.8823, 28.2759

Triad

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



68.9698, 72.8823, 23.0030



47.7853, 72.8823, 127.8336



96.7715, 72.8823, 125.7787

Complementary

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



68.9698, 72.8823, 23.0030



32.6178, 28.2209, 98.3354

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.



84.6004, 72.8823, 170.7727



68.9698, 72.8823, 23.0030



56.3739, 72.8823, 172.2236

Square

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



68.9698, 72.8823, 23.0030



44.7913, 72.8823, 80.2276



69.5760, 72.8823, 190.1666



101.3595, 72.8823, 78.4916

Rectangle

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



68.9698, 72.8823, 23.0030



49.7351, 72.8823, 38.4477



69.5760, 72.8823, 190.1666



93.3542, 72.8823, 142.1909

Sweetspot

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



68.9715, 72.8858, 23.0045



85.1725, 90.6913, 73.4026



50.7438, 32.6643, 28.5390



17.9261, 19.1107, 14.6614



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.



68.9715, 72.8858, 23.0045



65.8856, 68.7108, 15.8187



66.6995, 87.1926, 25.8857



19.1777, 20.3236, 19.0564



31.8674, 31.7461, 4.4480



3.1861, 3.2576, 0.4609

Inverse Universe

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



32.6178, 28.2209, 98.3354



26.7623, 20.7435, 97.2011



33.6595, 22.3208, 97.1416



17.3498, 18.0712, 22.8236



10.3696, 5.6488, 49.9784



1.0891, 0.7089, 4.8927

Previews

White Background



This preview shows how the XYZ color 68.9698, 72.8823, 23.0030 looks on a white background.

Color Contrast Check

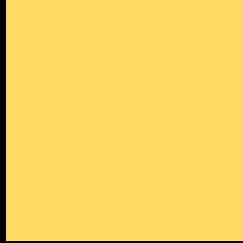
Large Text (above 18pt) WCAG AA × Fail

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 68.9698, 72.8823, 23.0030 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 68.9698, 72.8823, 23.0030

Background



This preview shows how black text looks on a background with the XYZ color 68.9698, 72.8823, 23.0030.



This preview shows how white text looks on a background with the XYZ color 68.9698, 72.8823,

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

68.9698, 72.8823, 23.0030

Protanopia

66.5755, 72.8147, 23.3777

Deuteranopia

72.4067, 73.0161, 44.9276



Tritanopia

77.4714, 72.6271, 79.0425

Trichromacy



Original Color

68.9698, 72.8823, 23.0030

Protanomaly

67.3716, 72.8319, 23.3391

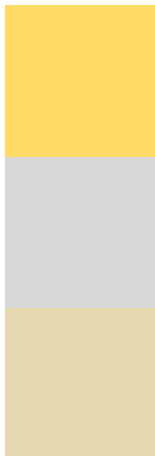
Deuteranomaly

70.8606, 72.8088, 35.5181

Tritanomaly

73.0701, 72.0629, 52.1778

Monochromacy



Original Color

68.9698, 72.8823, 23.0030

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.1838, 69.5438, 50.5452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9698, 72.8823, 23.0030 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, 219, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 102)  
}
```

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, 219, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 102) }
```

Border

The CSS property to change the border of an element to XYZ 68.9698, 72.8823, 23.0030 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, 219, 102) }
```


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

```
.border{ border-color:rgb(255, 219, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 219, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9698, 72.8823, 23.0030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 102) }
```

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

```
.background{ background-color: rgb(255,  
219, 102) }
```

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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