

Converting Colors

XYZ(74.2248, 75.7129, 23.9246)

Have a look what the booklet for
XYZ(74.2248, 75.7129, 23.9246)
contains.

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Color

**XYZ(69.0702, 72.9225,
23.5318)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDB68
RGB	255, 219, 104
RGB Percent	100%, 86%, 41%
CMY	0.0000, 0.1412, 0.5921
CMYK	0.00, 0.14, 0.59, 0.00
HSL	46°, 100%, 70%
HSV	46°, 59%, 100%
XYZ	69.0702, 72.9225, 23.5318
YIQ	216.6540, 58.3710, -28.1330

Conversions

Conversions Part 2

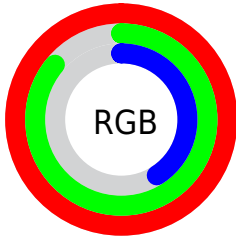
Format	Color
RYB	151, 255, 104
Decimal	16767848
CIELab	88.41, -0.52, 60.00
CIELCh	88, 59.999, 90.498
Yxy	72.9225, 0.4173, 0.4406
Android (android.graphics.Color)	4294957928 (0xFFFFDB68)
YUV	216.6540, -55.5384, 33.6294
Hunter-Lab	85.3947, -5.0636, 43.4380

Details

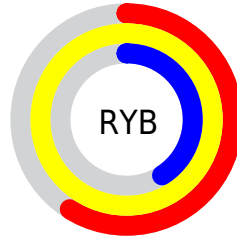
The XYZ color **69.0702, 72.9225, 23.5318** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.1367, 28.9183, 98.4425**, and the grayscale version is **66.0582, 69.4984, 75.6837**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **36.3569, 38.3833, 8.5101** is the 20% darker color. If you saturate the color by 10%, you get **66.4093, 69.3696, 17.1923**, and if you desaturate by 10%, it is **72.1840, 76.7547, 31.9554**.

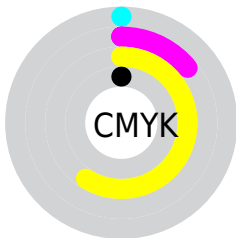
Distribution



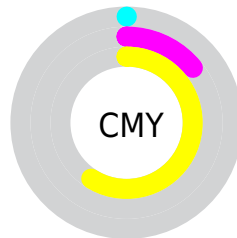
- Red (100%)
- Green (86%)
- Blue (41%)



- Red (59%)
- Yellow (100%)
- Blue (41%)



- Cyan (0%)
- Magenta (14%)
- Yellow (59%)
- Black (0%)





- Cyan (0%)
- Magenta (14%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.0702, 72.9225, 23.5318 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 69.0702, 72.9225, 23.5318 by changing the saturation by 10% instead.


 69.0702, 72.9225,
23.5318

 69.0702, 72.9225,
23.5318


446.5960,
470.7462, 283.6547


 51.0457, 53.9126,
14.7777


 116.9154,
123.3672, 50.1993


 36.4662, 38.5318,
8.5186


 147.4668,
155.5707, 68.9498

 24.9662, 26.3957,
4.3361


 182.9245,
192.9410, 91.8694

 16.1805, 17.1199,
1.8115

 223.6540,
235.8623, 119.3768

 9.7436, 10.3200,
0.4355

270.0205,
284.7191, 151.8905

 5.2903, 5.6116,
0.0000

322.3894,

 2.4551, 2.6104,

339.8957, 189.8291

0.0000

381.1262,
401.7766, 233.6109

■ 0.8726, 0.9319,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.0702, 72.9225,
23.5318

■ 69.0702, 72.9225,
23.5318

■ 66.4093, 69.3696,
17.1923

■ 72.1840, 76.7547,
31.9554

■ 64.1590, 66.0699,
12.7398

■ 75.7781, 80.8699,
42.6273

■ 62.2769, 63.0082,
9.9472

■ 79.8836, 85.2843,
55.7005

■ 60.6972, 60.1571,
8.4699

■ 84.5273, 90.0093,
71.3130

■ 60.5796, 59.9395,
8.3766

■ 89.7338, 95.0559,
89.5926

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.



83.8779, 72.9225, 28.4092



69.0702, 72.9225, 23.5318



56.1727, 72.9225, 28.7581

Triad

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



69.0702, 72.9225, 23.5318



48.0638, 72.9225, 126.8901



96.3446, 72.9225, 125.2648

Complementary

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



69.0702, 72.9225, 23.5318



33.1367, 28.9183, 98.4425

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.



84.3523, 72.9225, 169.3323



69.0702, 72.9225, 23.5318



56.5359, 72.9225, 170.4772

Square

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



69.0702, 72.9225, 23.5318



45.1221, 72.9225, 80.0916



69.5517, 72.9225, 188.1846



100.8899, 72.9225, 78.7128

Rectangle

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



69.0702, 72.9225, 23.5318



50.0462, 72.9225, 38.8493



69.5517, 72.9225, 188.1846



92.9756, 72.9225, 141.3645

Sweetspot

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



69.0719, 72.9260, 23.5333



85.1294, 90.6052, 73.3883



51.0544, 33.1068, 29.1932



17.9155, 19.0895, 14.6579



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.



69.0719, 72.9260, 23.5333



65.9787, 68.7624, 16.2648



66.9484, 87.3093, 26.4214



19.1727, 20.3136, 19.0547



31.7756, 31.5625, 4.4174



3.1779, 3.2411, 0.4581

Inverse Universe

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



33.1367, 28.9183, 98.4425



27.2439, 21.4213, 97.3066



34.1135, 22.8502, 97.2198



17.3545, 18.0806, 22.8252



10.3925, 5.6946, 49.9860



1.0919, 0.7145, 4.8936

Previews

White Background



This preview shows how the XYZ color 69.0702, 72.9225, 23.5318 looks on a white background.

Color Contrast Check

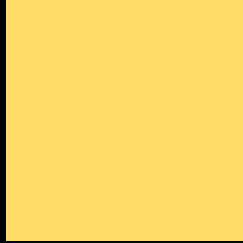
Large Text (above 18pt) WCAG AA × Fail

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 69.0702, 72.9225, 23.5318 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 69.0702, 72.9225, 23.5318

Background



This preview shows how black text looks on a background with the XYZ color 69.0702, 72.9225, 23.5318.



This preview shows how white text looks on a background with the XYZ color 69.0702, 72.9225,

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

69.0702, 72.9225, 23.5318

Protanopia

66.6771, 72.8553, 23.9128

Deuteranopia

72.4967, 73.0521, 45.4014



Tritanopia

77.4714, 72.6271, 79.0425

Trichromacy



Original Color

69.0702, 72.9225, 23.5318

Protanomaly

67.4732, 72.8726, 23.8742

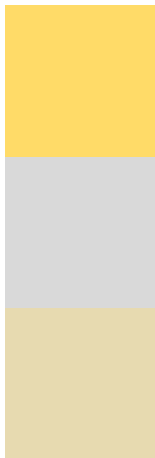
Deuteranomaly

70.9353, 72.8387, 35.9118

Tritanomaly

73.1709, 72.1032, 52.7086

Monochromacy



Original Color

69.0702, 72.9225, 23.5318

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.8629, 70.2663, 51.1657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0702, 72.9225, 23.5318 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 104) }
```

Border

The CSS property to change the border of an element to XYZ 69.0702, 72.9225, 23.5318 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, 104) }
```


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

```
.border{ border-color:rgb(255, 219, 104) }
```

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, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0702, 72.9225, 23.5318 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, 104) }
```

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

```
.background{ background-color: rgb(255,  
219, 104) }
```

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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