

Converting Colors

XYZ(69.1669, 73.2766, 23.0687)

Have a look what the booklet for
XYZ(69.1669, 73.2766, 23.0687)
contains.

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Color

**XYZ(69.2315, 73.4057,
23.0902)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDC66
RGB	255, 220, 102
RGB Percent	100%, 86%, 40%
CMY	0.0000, 0.1372, 0.6000
CMYK	0.00, 0.14, 0.60, 0.00
HSL	46°, 100%, 70%
HSV	46°, 60%, 100%
XYZ	69.2315, 73.4057, 23.0902
YIQ	217.0130, 58.7380, -29.2780

Conversions

Conversions Part 2

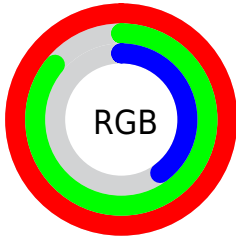
Format	Color
RYB	147, 255, 102
Decimal	16768102
CIELab	88.64, -1.16, 61.15
CIELCh	89, 61.160, 91.090
Yxy	73.4057, 0.4177, 0.4429
Android (android.graphics.Color)	4294958182 (0xFFFFDC66)
YUV	217.0130, -56.7014, 33.3146
Hunter-Lab	85.6771, -5.6978, 43.9952

Details

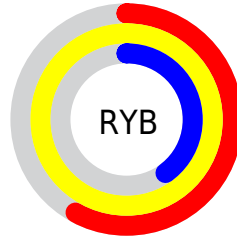
The XYZ color **69.2315, 73.4057, 23.0902** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.4749, 27.9352, 98.2878**, and the grayscale version is **66.3122, 69.7656, 75.9748**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **36.4739, 38.7176, 8.2402** is the 20% darker color. If you saturate the color by 10%, you get **66.6526, 69.9702, 16.9222**, and if you desaturate by 10%, it is **72.2561, 77.1105, 31.3266**.

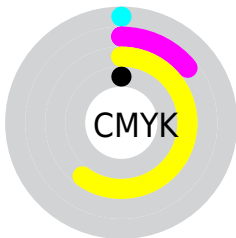
Distribution



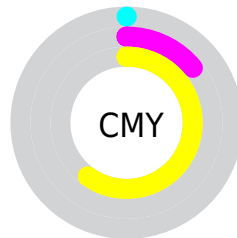
- Red (100%)
- Green (86%)
- Blue (40%)



- 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 69.2315, 73.4057, 23.0902 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 69.2315, 73.4057, 23.0902 by changing the saturation by 10% instead.


 69.2315, 73.4057,
23.0902

 69.2315, 73.4057,
23.0902


447.1557,
472.4197, 281.3249


 51.1776, 54.3078,
14.4542


 117.1444,
124.0530, 49.4665

 36.5716, 38.8478,
8.2949


 147.7342,
156.3711, 68.0438

 25.0481, 26.6413,
4.1938


 183.2332,
193.8648, 90.7720

 16.2418, 17.3040,
1.7322

 224.0069,
236.9184, 118.0696

 9.7874, 10.4515,
0.3827

270.4207,
285.9162, 150.3552

 5.3194, 5.6993,
0.0000

322.8398,

 2.4725, 2.6631,

341.2428, 188.0472

0.0000

381.6297,
403.2825, 231.5642

■ 0.8814, 0.9585,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.2315, 73.4057,
23.0902

■ 69.2315, 73.4057,
23.0902

■ 66.6526, 69.9702,
16.9222

■ 72.2561, 77.1105,
31.3266

■ 64.4768, 66.7777,
12.6235

■ 75.7540, 81.0882,
41.7974

■ 62.6611, 63.8130,
9.9630

■ 79.7565, 85.3549,
54.6564

■ 61.1330, 61.0461,
8.5611

■ 84.2905, 89.9221,
70.0429

61.1328, 61.0458,
8.5610

89.3807, 94.8005,
88.0851

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.



84.4099, 73.4057, 27.7986



69.2315, 73.4057, 23.0902



56.1163, 73.4057, 28.5702

Triad

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



69.2315, 73.4057, 23.0902



48.1779, 73.4057, 129.6757



97.6805, 73.4057, 126.0136

Complementary

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



69.2315, 73.4057, 23.0902



32.4749, 27.9352, 98.2878

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.



85.4759, 73.4057, 171.6968



69.2315, 73.4057, 23.0902



56.9288, 73.4057, 174.2835

Square

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



69.2315, 73.4057, 23.0902



45.0664, 73.4057, 81.4823



70.3111, 73.4057, 191.8517



102.1676, 73.4057, 78.3903

Rectangle

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



69.2315, 73.4057, 23.0902



49.9334, 73.4057, 38.9711



70.3111, 73.4057, 191.8517



94.2669, 73.4057, 142.6228

Sweetspot

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



69.2332, 73.4092, 23.0917



85.2629, 90.8722, 73.4328



50.5575, 32.5897, 27.5578



17.9484, 19.1553, 14.6688



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.



69.2332, 73.4092, 23.0917



66.1864, 69.3124, 15.9190



65.9484, 86.8054, 25.8505



19.1882, 20.3447, 19.0599



32.0617, 32.1345, 4.5128



3.2035, 3.2924, 0.4667

Inverse Universe

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



32.4749, 27.9352, 98.2878



26.6270, 20.4728, 97.1560



34.0951, 22.5454, 97.1620



17.3400, 18.0517, 22.8204



10.3226, 5.5548, 49.9627



1.0833, 0.6972, 4.8908

Previews

White Background



This preview shows how the XYZ color 69.2315, 73.4057, 23.0902 looks on a white background.

Color Contrast Check

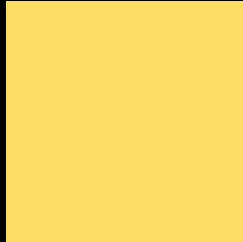
Large Text (above 18pt) WCAG AA × Fail

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 69.2315, 73.4057, 23.0902 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 69.2315, 73.4057, 23.0902

Background



This preview shows how black text looks on a background with the XYZ color 69.2315, 73.4057, 23.0902.



This preview shows how white text looks on a background with the XYZ color 69.2315, 73.4057,

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

69.2315, 73.4057, 23.0902

Protanopia

67.1936, 73.5288, 23.4830

Deuteranopia

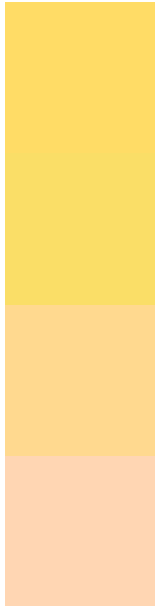
72.6788, 73.1249, 46.3603



Tritanopia

77.8535, 73.1762, 79.8331

Trichromacy



Original Color

69.2315, 73.4057, 23.0902

Protanomaly

67.9938, 73.5458, 23.4441

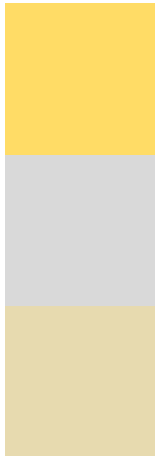
Deuteranomaly

71.0108, 72.8689, 36.3090

Tritanomaly

73.4233, 72.6078, 52.7927

Monochromacy



Original Color

69.2315, 73.4057, 23.0902

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.7643, 70.2269, 50.6464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2315, 73.4057, 23.0902 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, 220, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 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, 220, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 102) }
```

Border

The CSS property to change the border of an element to XYZ 69.2315, 73.4057, 23.0902 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, 220, 102) }
```


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

```
.border{ border-color:rgb(255, 220, 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, 220, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2315, 73.4057, 23.0902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 102) }
```

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

```
.background{ background-color: rgb(255,  
220, 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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