

Converting Colors

XYZ(68.0798, 73.3663, 15.7272)

Have a look what the booklet for
XYZ(68.0798, 73.3663, 15.7272)
contains.

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Color

**XYZ(68.0798, 73.3663,
15.7272)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDD42
RGB	255, 221, 66
RGB Percent	100%, 87%, 26%
CMY	0.0000, 0.1333, 0.7412
CMYK	0.00, 0.13, 0.74, 0.00
HSL	49°, 100%, 63%
HSV	49°, 74%, 100%
XYZ	68.0798, 73.3663, 15.7272
YIQ	213.4960, 70.0190, -40.9970

Conversions

Conversions Part 2

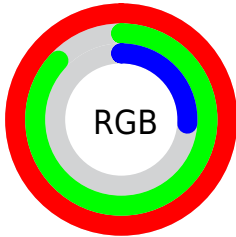
Format	Color
RYB	107, 255, 66
Decimal	16768322
CIELab	88.62, -3.59, 75.45
CIElCh	89, 75.532, 92.725
Yxy	73.3663, 0.4332, 0.4668
Android (android.graphics.Color)	4294958402 (0xFFFFDD42)
YUV	213.4960, -72.7155, 36.3990
Hunter-Lab	85.6541, -8.0190, 49.0715

Details

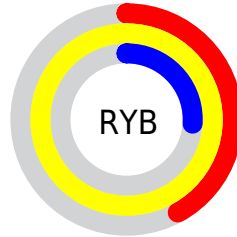
The XYZ color **68.0798, 73.3663, 15.7272** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **24.8540, 17.4923, 96.6733**, and the grayscale version is **64.0197, 67.3537, 73.3482**.

A 20% lighter version of the original color is **80.6381, 94.2352, 33.0079**, and **35.8844, 38.7418, 5.5866** is the 20% darker color. If you saturate the color by 10%, you get **66.2951, 70.7440, 12.2137**, and if you desaturate by 10%, it is **70.2358, 76.1957, 21.0177**.

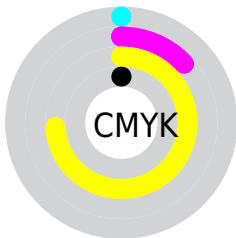
Distribution



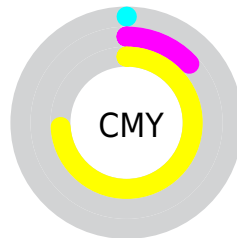
- Red (100%)
- Green (87%)
- Blue (26%)



- Red (42%)
- Yellow (100%)
- Blue (26%)



- Cyan (0%)
- Magenta (13%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (13%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0798, 73.3663, 15.7272 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 68.0798, 73.3663, 15.7272 by changing the saturation by 10% instead.


 68.0798, 73.3663,
15.7272


 68.0798, 73.3663,
15.7272


443.1510,
472.2834, 239.5171


 50.2366, 54.2755,
9.1791


 115.5076,
123.9971, 36.8841


 35.8200, 38.8220,
4.7598


 145.8228,
156.3059, 52.3300


 24.4647, 26.6213,
2.0507


 181.0262,
193.7895, 71.5789

 15.8053, 17.2890,
0.5862

 221.4829,
236.8323, 95.0493

 9.4764, 10.4408,
0.0000

 267.5584,
285.8187, 123.1598

 5.1128, 5.6922,
0.0000

319.6180,

 2.3490, 2.6588,

341.1331, 156.3289

0.0000

378.0271,
403.1598, 194.9751

■ 0.8196, 0.9563,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.0798, 73.3663,
15.7272

■ 68.0798, 73.3663,
15.7272

■ 66.2951, 70.7440,
12.2137

■ 70.2358, 76.1957,
21.0177

■ 64.8280, 68.2984,
10.2183

■ 72.7977, 79.2380,
28.2890

■ 64.0733, 66.9272,
9.5412

■ 75.8016, 82.5108,
37.7216

■ 79.2778, 86.0268,
49.4749

■ 83.2541, 89.7972,
63.6928

■ 87.7556, 93.8328,
80.5077

■ 92.8061, 98.1433,
100.0427

■ 95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



87.0534, 73.3663, 19.7685



68.0798, 73.3663, 15.7272



52.4535, 73.3663, 21.7093

Triad

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



68.0798, 73.3663, 15.7272



44.2136, 73.3663, 147.3399



105.7420, 73.3663, 135.2578

Complementary

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



68.0798, 73.3663, 15.7272



24.8540, 17.4923, 96.6733

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.



90.4418, 73.3663, 197.5348



68.0798, 73.3663, 15.7272



54.8765, 73.3663, 206.3883

Square

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



68.0798, 73.3663, 15.7272



40.2621, 73.3663, 84.7500



71.4117, 73.3663, 227.8878



110.9137, 73.3663, 75.2068

Rectangle

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



68.0798, 73.3663, 15.7272



45.4016, 73.3663, 33.2179



71.4117, 73.3663, 227.8878



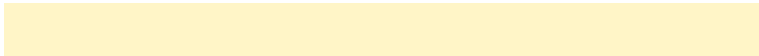
101.4955, 73.3663, 157.3741

Sweetspot

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



68.0815, 73.3698, 15.7287



84.1624, 90.6292, 67.0293



45.5203, 26.0897, 14.8600



17.7661, 19.1708, 13.4362



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.



68.0815, 73.3698, 15.7287



65.5426, 69.5289, 11.0677



59.2880, 83.5351, 18.1542



19.2670, 20.5022, 19.0862



33.5807, 35.1727, 5.0191



3.3388, 3.5630, 0.5118

Inverse Universe

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



24.8540, 17.4923, 96.6733



20.6503, 11.7077, 95.7792



28.5810, 15.5415, 96.1004



17.2672, 17.9059, 22.7961



10.0150, 4.9395, 49.8602



1.0434, 0.6175, 4.8775

Previews

White Background



This preview shows how the XYZ color 68.0798, 73.3663, 15.7272 looks on a white background.

Color Contrast Check

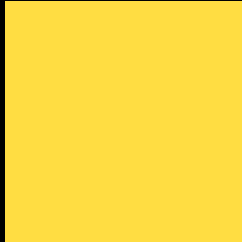
Large Text (above 18pt) WCAG AA × Fail

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 68.0798, 73.3663, 15.7272 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 68.0798, 73.3663, 15.7272

Background



This preview shows how black text looks on a background with the XYZ color 68.0798, 73.3663, 15.7272.



This preview shows how white text looks on a background with the XYZ color 68.0798, 73.3663,

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

68.0798, 73.3663, 15.7272

Protanopia

66.4677, 73.3203, 15.9592

Deuteranopia

72.5744, 73.4943, 44.5432



Tritanopia

77.7191, 73.1225, 79.1250

Trichromacy



Original Color

68.0798, 73.3663, 15.7272

Protanomaly

66.9181, 73.1570, 15.9039

Deuteranomaly

70.1422, 72.9351, 30.4597

Tritanomaly

72.3320, 72.5775, 45.7939

Monochromacy



Original Color

68.0798, 73.3663, 15.7272

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.4711, 68.8218, 43.1964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0798, 73.3663, 15.7272 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, 221, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 66)  
}
```

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, 221, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 66) }
```

Border

The CSS property to change the border of an element to XYZ 68.0798, 73.3663, 15.7272 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, 221, 66) }
```


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

```
.border{ border-color:rgb(255, 221, 66) }
```

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

Here you see how a box with a 4 pixel rgb(255, 221, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0798, 73.3663, 15.7272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 66) }
```

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

```
.background{ background-color: rgb(255,  
221, 66) }
```

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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