

Converting Colors

XYZ(66.9212, 68.7853, 22.3201)

Have a look what the booklet for
XYZ(66.9212, 68.7853, 22.3201)
contains.

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Color

**XYZ(66.9325, 68.8078,
22.3239)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD366
RGB	255, 211, 102
RGB Percent	100%, 83%, 40%
CMY	0.0000, 0.1725, 0.6000
CMYK	0.00, 0.17, 0.60, 0.00
HSL	43°, 100%, 70%
HSV	43°, 60%, 100%
XYZ	66.9325, 68.8078, 22.3239
YIQ	211.7300, 61.2130, -24.5710

Conversions

Conversions Part 2

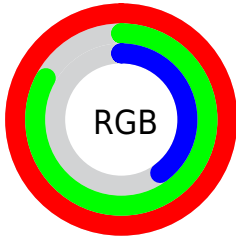
Format	Color
RYB	164, 255, 102
Decimal	16765798
CIELab	86.41, 3.42, 58.63
CIELCh	86, 58.734, 86.660
Yxy	68.8078, 0.4235, 0.4353
Android (android.graphics.Color)	4294955878 (0xFFFFD366)
YUV	211.7300, -54.0969, 37.9478
Hunter-Lab	82.9505, -1.1322, 42.1090

Details

The XYZ color **66.9325, 68.8078, 22.3239** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.8080, 30.6014, 98.7320**, and the grayscale version is **62.7209, 65.9873, 71.8601**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **35.0961, 35.9294, 7.8816** is the 20% darker color. If you saturate the color by 10%, you get **64.0774, 64.8198, 16.0638**, and if you desaturate by 10%, it is **70.2628, 73.1241, 30.6621**.

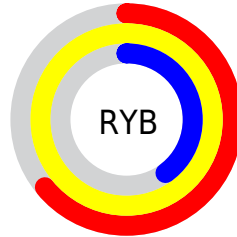
Distribution



Red (100%)

Green (83%)

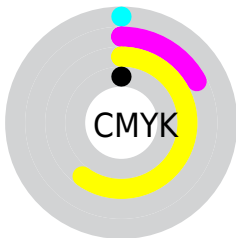
Blue (40%)



Red (64%)

Yellow (100%)

Blue (40%)

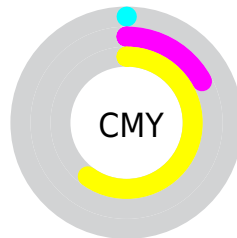


Cyan (0%)

Magenta (17%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.9325, 68.8078, 22.3239 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 66.9325, 68.8078, 22.3239 by changing the saturation by 10% instead.


 66.9325, 68.8078,
22.3239

 66.9325, 68.8078,
22.3239


439.1407,
456.3528, 277.2416

 49.3003, 50.5552,
13.8945


 113.8740,
117.5070, 48.1898


 35.0732, 35.8547,
7.9094


 143.9140,
148.7224, 66.4634

 23.8861, 24.3220,
3.9501


 178.8206,
185.0275, 88.8554

 15.3734, 15.5727,
1.5980

 218.9593,
226.8068, 115.7845

 9.1699, 9.2223,
0.2894

264.6952,
274.4445, 147.6691

 4.9102, 4.8865,
0.0000

316.3939,

 2.2289, 2.1808,

328.3252, 184.9278

0.0000

374.4206,
388.8331, 227.9791

■ 0.7579, 0.7095,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.9325, 68.8078,
22.3239

■ 66.9325, 68.8078,
22.3239

■ 64.0774, 64.8198,
16.0638

■ 70.2628, 73.1241,
30.6621

■ 61.6546, 61.1333,
11.6827

■ 74.0968, 77.7740,
41.2449

■ 59.6204, 57.7317,
8.9494

■ 78.4662, 82.7743,
54.2262

■ 57.9018, 54.5839,
7.4841

■ 83.3982, 88.1377,
69.7453

■ 57.9015, 54.5835,
7.4839

■ 88.9184, 93.8760,
87.9308

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.



80.8225, 68.8078, 28.2091



66.9325, 68.8078, 22.3239



54.3715, 68.8078, 25.9983

Triad

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



66.9325, 68.8078, 22.3239



44.7336, 68.8078, 113.7232



89.7235, 68.8078, 123.9818

Complementary

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



66.9325, 68.8078, 22.3239



33.8080, 30.6014, 98.7320

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.



77.8266, 68.8078, 163.5683



66.9325, 68.8078, 22.3239



52.0755, 68.8078, 156.3467

Square

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



66.9325, 68.8078, 22.3239



42.6467, 68.8078, 70.6480



63.8906, 68.8078, 177.0880



95.0764, 68.8078, 79.3608

Rectangle

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



66.9325, 68.8078, 22.3239



48.1912, 68.8078, 34.4301



63.8906, 68.8078, 177.0880



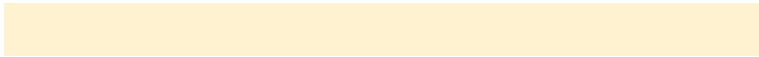
86.2831, 68.8078, 138.8399

Sweetspot

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



66.9341, 68.8111, 22.3253



84.4542, 89.2548, 73.1632



51.3290, 32.8983, 31.6210



17.7494, 18.7573, 14.6025



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.



66.9341, 68.8111, 22.3253



63.5595, 64.0586, 15.0434



69.0229, 88.3903, 25.9943



19.0940, 20.1563, 19.0285



30.3893, 28.7898, 3.9553



3.0526, 2.9906, 0.4163

Inverse Universe

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



33.8080, 30.6014, 98.7320



27.9098, 23.0384, 97.5836



32.4118, 21.6776, 97.0831



17.4284, 18.2284, 22.8498



10.7973, 6.5042, 50.1209



1.1400, 0.8107, 4.9097

Previews

White Background



This preview shows how the XYZ color 66.9325, 68.8078, 22.3239 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 66.9325, 68.8078, 22.3239 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 66.9325, 68.8078, 22.3239

Background



This preview shows how black text looks on a background with the XYZ color 66.9325, 68.8078, 22.3239.



This preview shows how white text looks on a background with the XYZ color 66.9325, 68.8078,

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

66.9325, 68.8078, 22.3239

Protanopia

63.2467, 69.1504, 23.1106

Deuteranopia

69.0745, 68.8745, 36.0391



Tritanopia

74.8617, 68.8782, 73.6392

Trichromacy



Original Color

66.9325, 68.8078, 22.3239

Protanomaly

64.4048, 68.9926, 22.7544

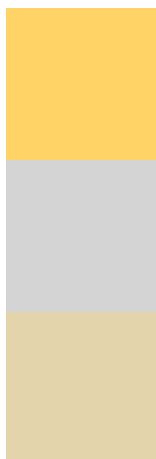
Deuteranomaly

68.2490, 68.9382, 30.4782

Tritanomaly

70.9513, 68.4586, 49.5187

Monochromacy



Original Color

66.9325, 68.8078, 22.3239

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.9848, 66.5595, 48.5573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9325, 68.8078, 22.3239 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, 211, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 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, 211, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 102) }
```

Border

The CSS property to change the border of an element to XYZ 66.9325, 68.8078, 22.3239 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, 211, 102) }
```


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

```
.border{ border-color:rgb(255, 211, 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, 211, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9325, 68.8078, 22.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 102) }
```

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

```
.background{ background-color: rgb(255,  
211, 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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