

Converting Colors

XYZ(67.4095, 69.7617, 22.4829)

Have a look what the booklet for
XYZ(67.4095, 69.7617, 22.4829)
contains.

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Color

**XYZ(67.4325, 69.8078,
22.4906)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD566
RGB	255, 213, 102
RGB Percent	100%, 84%, 40%
CMY	0.0000, 0.1647, 0.6000
CMYK	0.00, 0.16, 0.60, 0.00
HSL	44°, 100%, 70%
HSV	44°, 60%, 100%
XYZ	67.4325, 69.8078, 22.4906
YIQ	212.9040, 60.6630, -25.6170

Conversions

Conversions Part 2

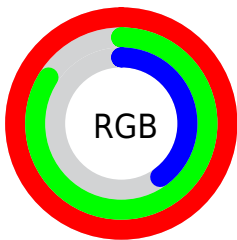
Format	Color
R_{YB}	160, 255, 102
Decimal	16766310
CIE _{Lab}	86.90, 2.40, 59.19
CIE _{LCh}	87, 59.241, 87.679
Yxy	69.8078, 0.4222, 0.4370
Android (android.graphics.Color)	4294956390 (0xFFFFD566)
YUV	212.9040, -54.6757, 36.9182
Hunter-Lab	83.5511, -2.1503, 42.5258

Details

The XYZ color **67.4325, 69.8078, 22.4906** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.5024, 29.9902, 98.6301**, and the grayscale version is **63.5089, 66.8163, 72.7630**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **35.4373, 36.6118, 7.9953** is the 20% darker color. If you saturate the color by 10%, you get **64.6350, 65.9351, 16.2497**, and if you desaturate by 10%, it is **70.6981, 73.9947, 30.8073**.

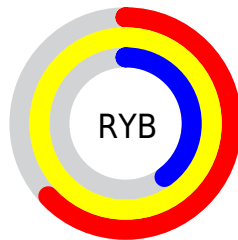
Distribution



Red (100%)

Green (84%)

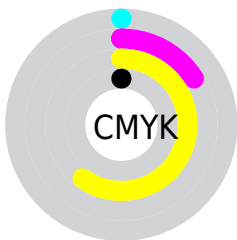
Blue (40%)



Red (63%)

Yellow (100%)

Blue (40%)

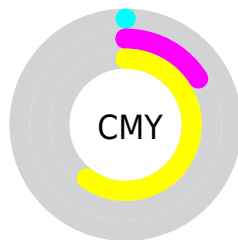


Cyan (0%)

Magenta (16%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (16%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.4325, 69.8078, 22.4906 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 67.4325, 69.8078, 22.4906 by changing the saturation by 10% instead.


 67.4325, 69.8078,
22.4906


 67.4325, 69.8078,
22.4906


440.8910,
459.8749, 278.1343

 49.7082, 51.3699,
14.0161


 114.5863,
118.9346, 48.4681


 35.3984, 36.5030,
7.9930


 144.7465,
150.3923, 66.8081

 24.1379, 24.8230,
4.0027


 179.7827,
186.9587, 89.2737

 15.5612, 15.9452,
1.6268

 220.0602,
229.0181, 116.2834

 9.3031, 9.4854,
0.3099

265.9445,
276.9551, 148.2558

 4.9981, 5.0591,
0.0000

317.8008,

 2.2809, 2.2820,

331.1539, 185.6094

0.0000

375.9945,
391.9991, 228.7627

■ 0.7849, 0.7642,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.4325, 69.8078,
22.4906

■ 67.4325, 69.8078,
22.4906

■ 64.6350, 65.9351,
16.2497

■ 70.6981, 73.9947,
30.8073

■ 62.2628, 62.3499,
11.8855

■ 74.4601, 78.5006,
41.3661

■ 60.2725, 59.0359,
9.1668

■ 78.7501, 83.3421,
54.3209

■ 58.5910, 55.9624,
7.7139

■ 83.5952, 88.5317,
69.8111

■ 58.5908, 55.9620,
7.7137

■ 89.0208, 94.0808,
87.9651

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.



81.6037, 69.8078, 28.1137



67.4325, 69.8078, 22.4906



54.7508, 69.8078, 26.5549

Triad

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



67.4325, 69.8078, 22.4906



45.4817, 69.8078, 117.1474



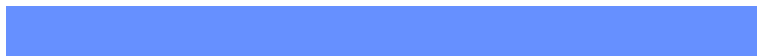
91.4484, 69.8078, 124.4175

Complementary

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



67.4325, 69.8078, 22.4906



33.5024, 29.9902, 98.6301

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.



79.4821, 69.8078, 165.3383



67.4325, 69.8078, 22.4906



53.1268, 69.8078, 160.2165

Square

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



67.4325, 69.8078, 22.4906



43.1735, 69.8078, 72.9675



65.2796, 69.8078, 180.2913



96.6171, 69.8078, 79.1336

Rectangle

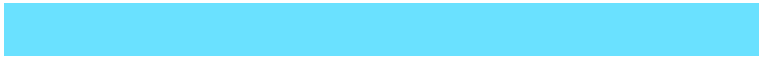
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.4325, 69.8078, 22.4906



48.5702, 69.8078, 35.4065



65.2796, 69.8078, 180.2913



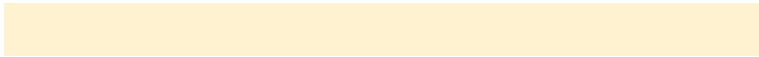
88.0127, 69.8078, 139.6604

Sweetspot

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



67.4341, 69.8111, 22.4920



84.6329, 89.6122, 73.2228



51.1295, 32.8185, 30.5705



17.7933, 18.8452, 14.6172



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.



67.4341, 69.8111, 22.4920



64.1278, 65.1952, 15.2328



68.2366, 87.9849, 25.9576



19.1149, 20.1980, 19.0355



30.7464, 29.5040, 4.0743



3.0850, 3.0554, 0.4272

Inverse Universe

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



33.5024, 29.9902, 98.6301



27.6120, 22.4429, 97.4843



32.8178, 21.8869, 97.1021



17.4087, 18.1890, 22.8432



10.6816, 6.2728, 50.0824



1.1266, 0.7838, 4.9052

Previews

White Background



This preview shows how the XYZ color 67.4325, 69.8078, 22.4906 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 67.4325, 69.8078, 22.4906 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 67.4325, 69.8078, 22.4906

Background



This preview shows how black text looks on a background with the XYZ color 67.4325, 69.8078, 22.4906.



This preview shows how white text looks on a background with the XYZ color 67.4325, 69.8078,

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

67.4325, 69.8078, 22.4906

Protanopia

63.8457, 69.8431, 23.2127

Deuteranopia

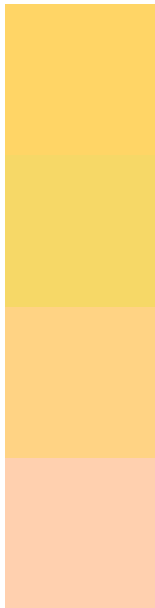
69.7114, 69.5231, 38.1789



Tritanopia

75.4660, 69.8805, 74.4765

Trichromacy



Original Color

67.4325, 69.8078, 22.4906

Protanomaly

65.0101, 69.6838, 22.8559

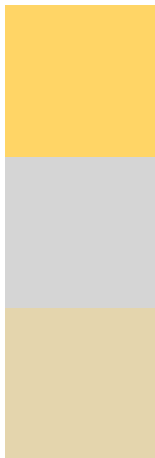
Deuteranomaly

68.6991, 69.5145, 31.6266

Tritanomaly

71.5337, 69.4669, 50.1957

Monochromacy



Original Color

67.4325, 69.8078, 22.4906

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.3320, 67.0996, 49.1487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4325, 69.8078, 22.4906 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, 213, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 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, 213, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 102) }
```

Border

The CSS property to change the border of an element to XYZ 67.4325, 69.8078, 22.4906 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, 213, 102) }
```


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

```
.border{ border-color:rgb(255, 213, 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, 213, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4325, 69.8078, 22.4906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 102) }
```

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

```
.background{ background-color: rgb(255,  
213, 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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