

Converting Colors

XYZ(67.8071, 70.5569, 22.6154)

Have a look what the booklet for
XYZ(67.8071, 70.5569, 22.6154)
contains.

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Color

**XYZ(67.6848, 70.3124,
22.5747)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD666
RGB	255, 214, 102
RGB Percent	100%, 84%, 40%
CMY	0.0000, 0.1608, 0.6000
CMYK	0.00, 0.16, 0.60, 0.00
HSL	44°, 100%, 70%
HSV	44°, 60%, 100%
XYZ	67.6848, 70.3124, 22.5747
YIQ	213.4910, 60.3880, -26.1400

Conversions

Conversions Part 2

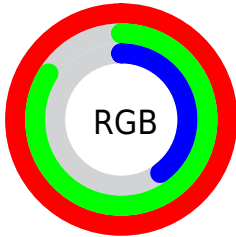
Format	Color
R _Y B	158, 255, 102
Decimal	16766566
CIE _{Lab}	87.15, 1.89, 59.47
CIE _{LCh}	87, 59.502, 88.182
Y _{xy}	70.3124, 0.4215, 0.4379
Android (android.graphics.Color)	4294956646 (0xFFFFD666)
Y _{UV}	213.4910, -54.9651, 36.4034
Hunter-Lab	83.8525, -2.6586, 42.7347

Details

The XYZ color **67.6848, 70.3124, 22.5747** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.3516, 29.6887, 98.5798**, and the grayscale version is **63.9050, 67.2331, 73.2168**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **35.6100, 36.9571, 8.0529** is the 20% darker color. If you saturate the color by 10%, you get **64.9169, 66.4989, 16.3437**, and if you desaturate by 10%, it is **70.9174, 74.4332, 30.8804**.

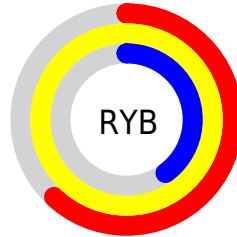
Distribution



Red (100%)

Green (84%)

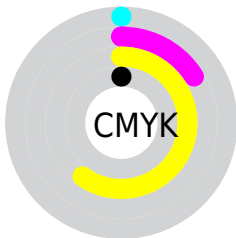
Blue (40%)



Red (62%)

Yellow (100%)

Blue (40%)

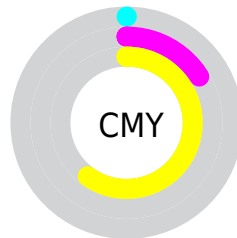


Cyan (0%)

Magenta (16%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6848, 70.3124, 22.5747 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 67.6848, 70.3124, 22.5747 by changing the saturation by 10% instead.

67.6848, 70.3124,
22.5747

67.6848, 70.3124,
22.5747

441.7727,
461.6461, 278.5837

49.9141, 51.7813,
14.0774

114.9455,
119.6542, 48.6083

35.5627, 36.8307,
8.0352

145.1662,
151.2335, 66.9818

24.2652, 25.0765,
4.0294

180.2676,
187.9312, 89.4844

15.6562, 16.1340,
1.6415

220.6151,
230.1314, 116.5347

9.3705, 9.6191,
0.3202

266.5740,
278.2186, 148.5513

5.0427, 5.1471,
0.0000

318.5096,

2.3073, 2.3338,

332.5772, 185.9526

0.0000

376.7874,
393.5916, 229.1573

■ 0.7984, 0.7915,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.6848, 70.3124,
22.5747

■ 67.6848, 70.3124,
22.5747

■ 64.9169, 66.4989,
16.3437

■ 70.9174, 74.4332,
30.8804

■ 62.5710, 62.9661,
11.9882

■ 74.6428, 78.8660,
41.4270

■ 60.6036, 59.6980,
9.2772

■ 78.8926, 83.6272,
54.3685

■ 58.9418, 56.6639,
7.8308

■ 83.6940, 88.7292,
69.8440

■ 58.9415, 56.6635,
7.8306

■ 89.0721, 94.1833,
87.9822

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.



81.9977, 70.3124, 28.0668



67.6848, 70.3124, 22.5747



54.9422, 70.3124, 26.8363

Triad

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



67.6848, 70.3124, 22.5747



45.8594, 70.3124, 118.8852



92.3201, 70.3124, 124.6387

Complementary

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



67.6848, 70.3124, 22.5747



33.3516, 29.6887, 98.5798

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.



80.3192, 70.3124, 166.2310



67.6848, 70.3124, 22.5747



53.6583, 70.3124, 162.1760

Square

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



67.6848, 70.3124, 22.5747



43.4392, 70.3124, 74.1458



65.9821, 70.3124, 181.9094



97.3949, 70.3124, 79.0224

Rectangle

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



67.6848, 70.3124, 22.5747



48.7615, 70.3124, 35.9017



65.9821, 70.3124, 181.9094



88.8870, 70.3124, 140.0750

Sweetspot

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



67.6865, 70.3158, 22.5761



84.7225, 89.7913, 73.2526



51.1295, 32.8185, 30.5705



17.8154, 18.8892, 14.6245



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.



67.6865, 70.3158, 22.5761



64.4152, 65.7701, 15.3286



68.2366, 87.9849, 25.9576



19.1254, 20.2189, 19.0390



30.9280, 29.8673, 4.1349



3.1015, 3.0883, 0.4326

Inverse Universe

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



33.3516, 29.6887, 98.5798



27.4659, 22.1507, 97.4356



32.8178, 21.8869, 97.1021



17.3989, 18.1693, 22.8400



10.6259, 6.1615, 50.0638



1.1200, 0.7707, 4.9030

Previews

White Background



This preview shows how the XYZ color 67.6848, 70.3124, 22.5747 looks on a white background.

Color Contrast Check

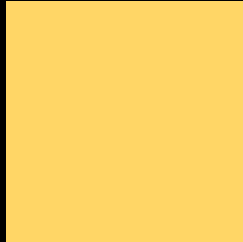
Large Text (above 18pt) WCAG AA × Fail

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 67.6848, 70.3124, 22.5747 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 67.6848, 70.3124, 22.5747

Background



This preview shows how black text looks on a background with the XYZ color 67.6848, 70.3124, 22.5747.



This preview shows how white text looks on a background with the XYZ color 67.6848, 70.3124,

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

67.6848, 70.3124, 22.5747

Protanopia

64.3976, 70.5196, 23.0495

Deuteranopia

70.1202, 70.0829, 39.1098



Tritanopia

75.8357, 70.4124, 75.2396

Trichromacy



Original Color

67.6848, 70.3124, 22.5747

Protanomaly

65.6188, 70.3791, 22.9580

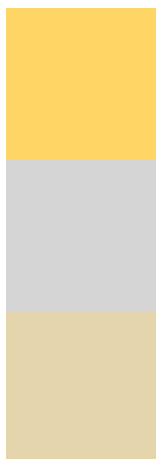
Deuteranomaly

69.0171, 70.0404, 32.0719

Tritanomaly

71.7783, 69.9561, 50.2772

Monochromacy



Original Color

67.6848, 70.3124, 22.5747

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 67.6848, 70.3124, 22.5747 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, 214, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 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, 214, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 102) }
```

Border

The CSS property to change the border of an element to XYZ 67.6848, 70.3124, 22.5747 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, 214, 102) }
```


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

```
.border{ border-color:rgb(255, 214, 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, 214, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6848, 70.3124, 22.5747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 102) }
```

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

```
.background{ background-color: rgb(255,  
214, 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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