

Converting Colors

XYZ(79.2162, 76.3034, 24.2271)

Have a look what the booklet for
XYZ(79.2162, 76.3034, 24.2271)
contains.

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Color

**XYZ(67.8881, 70.3937,
23.6449)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD66A
RGB	255, 214, 106
RGB Percent	100%, 84%, 42%
CMY	0.0000, 0.1608, 0.5843
CMYK	0.00, 0.16, 0.58, 0.00
HSL	43°, 100%, 71%
HSV	43°, 58%, 100%
XYZ	67.8881, 70.3937, 23.6449
YIQ	213.9470, 59.1040, -24.8960

Conversions

Conversions Part 2

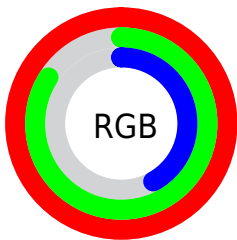
Format	Color
RYB	163, 255, 106
Decimal	16766570
CIELab	87.19, 2.16, 57.70
CIELCh	87, 57.739, 87.853
Yxy	70.3937, 0.4193, 0.4347
Android (android.graphics.Color)	4294956650 (0xFFFFD66A)
YUV	213.9470, -53.2179, 36.0035
Hunter-Lab	83.9010, -2.3942, 42.0216

Details

The XYZ color **67.8881, 70.3937, 23.6449** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **34.4272, 31.1505, 98.8055**, and the grayscale version is **64.2014, 67.5449, 73.5564**.

A 20% lighter version of the original color is **83.3452, 95.3181, 47.2632**, and **35.7191, 37.0008, 8.6274** is the 20% darker color. If you saturate the color by 10%, you get **65.0171, 66.4678, 17.0900**, and if you desaturate by 10%, it is **71.2331, 74.6370, 32.3039**.

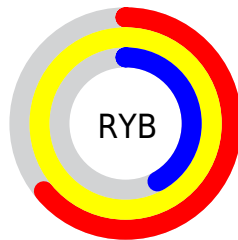
Distribution



Red (100%)

Green (84%)

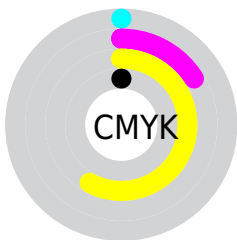
Blue (42%)



Red (64%)

Yellow (100%)

Blue (42%)

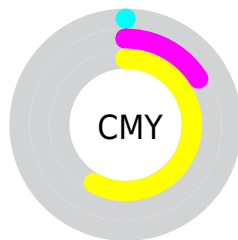


Cyan (0%)

Magenta (16%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8881, 70.3937, 23.6449 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 67.8881, 70.3937, 23.6449 by changing the saturation by 10% instead.


 67.8881, 70.3937,
23.6449

 67.8881, 70.3937,
23.6449


442.4824,
461.9311, 284.2488

 50.0800, 51.8476,
14.8607


 115.2348,
119.7700, 50.3866


 35.6951, 36.8836,
8.5761


 145.5042,
151.3690, 69.1812

 24.3678, 25.1174,
4.3727


 180.6581,
188.0877, 92.1497

 15.7329, 16.1645,
1.8320

 221.0619,
230.3106, 119.7105

 9.4250, 9.6406,
0.4489

267.0808,
278.4219, 152.2823

 5.0787, 5.1614,
0.0000

319.0803,

 2.3288, 2.3422,

332.8062, 190.2836

0.0000

377.4257,
393.8478, 234.1329

■ 0.8093, 0.7959,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.8881, 70.3937,
23.6449

■ 67.8881, 70.3937,
23.6449

■ 65.0171, 66.4678,
17.0900

■ 71.2331, 74.6370,
32.3039

■ 62.5780, 62.8328,
12.4445

■ 75.0798, 79.2021,
43.2300

■ 60.5289, 59.4731,
9.4845

■ 79.4592, 84.1056,
56.5750

■ 58.8088, 56.3628,
7.8945

■ 84.3982, 89.3598,
72.4762

■ 58.5558, 55.8919,
7.7020

■ 89.9218, 94.9760,
91.0607

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.



81.7514, 70.3937, 29.2349



67.8881, 70.3937, 23.6449



55.4568, 70.3937, 27.7890

Triad

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



67.8881, 70.3937, 23.6449



46.4122, 70.3937, 117.0649



91.4825, 70.3937, 123.6055

Complementary

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



67.8881, 70.3937, 23.6449



34.4272, 31.1505, 98.8055

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.



79.8341, 70.3937, 163.3686



67.8881, 70.3937, 23.6449



53.9781, 70.3937, 158.7816

Square

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



67.8881, 70.3937, 23.6449



44.1005, 70.3937, 73.8847



65.9356, 70.3937, 178.0173



96.4693, 70.3937, 79.4768

Rectangle

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



67.8881, 70.3937, 23.6449



49.3879, 70.3937, 36.6848



65.9356, 70.3937, 178.0173



88.1452, 70.3937, 138.4193

Sweetspot

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



67.8898, 70.3971, 23.6463



84.6239, 89.5941, 73.2198



51.7568, 33.7137, 31.8873



17.7911, 18.8407, 14.6164



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.



67.8898, 70.3971, 23.6463



64.6068, 65.8784, 16.2396



68.7058, 88.2035, 27.0403



19.1139, 20.1959, 19.0351



30.7282, 29.4676, 4.0683



3.0834, 3.0521, 0.4266

Inverse Universe

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



34.4272, 31.1505, 98.8055



28.4815, 23.5993, 97.6617



33.7328, 22.9563, 97.2605



17.4097, 18.1910, 22.8436



10.6873, 6.2841, 50.0843



1.1272, 0.7852, 4.9054

Previews

White Background



This preview shows how the XYZ color 67.8881, 70.3937, 23.6449 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 67.8881, 70.3937, 23.6449 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 67.8881, 70.3937, 23.6449

Background



This preview shows how black text looks on a background with the XYZ color 67.8881, 70.3937, 23.6449.



This preview shows how white text looks on a background with the XYZ color 67.8881, 70.3937,

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

67.8881, 70.3937, 23.6449

Protanopia

64.6562, 70.6230, 24.4112

Deuteranopia

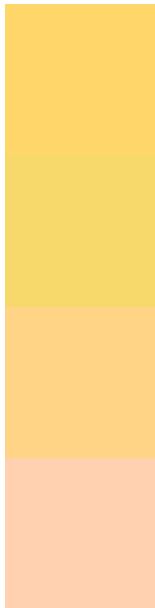
70.2018, 70.1155, 39.5394



Tritanopia

75.9662, 70.4646, 75.9268

Trichromacy



Original Color

67.8881, 70.3937, 23.6449

Protanomaly

65.8245, 70.4614, 24.0410

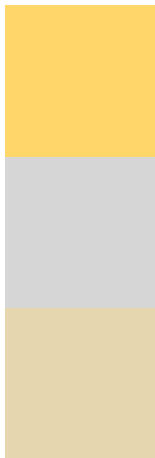
Deuteranomaly

69.1567, 70.0962, 32.8066

Tritanomaly

71.9763, 70.0353, 51.3196

Monochromacy



Original Color

67.8881, 70.3937, 23.6449

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.0975, 67.8463, 50.2748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8881, 70.3937, 23.6449 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 106) }
```

Border

The CSS property to change the border of an element to XYZ 67.8881, 70.3937, 23.6449 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, 106) }
```


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

```
.border{ border-color:rgb(255, 214, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8881, 70.3937, 23.6449 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, 106) }
```

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

```
.background{ background-color: rgb(255,  
214, 106) }
```

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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