

Converting Colors

XYZ(79.8843, 76.1639, 24.3205)

Have a look what the booklet for
XYZ(79.8843, 76.1639, 24.3205)
contains.

XYZ(67.6881, 69.9100, 23.8364)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.6881, 69.9100,
23.8364)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD56B
RGB	255, 213, 107
RGB Percent	100%, 84%, 42%
CMY	0.0000, 0.1647, 0.5804
CMYK	0.00, 0.16, 0.58, 0.00
HSL	43°, 100%, 71%
HSV	43°, 58%, 100%
XYZ	67.6881, 69.9100, 23.8364
YIQ	213.4740, 59.0580, -24.0620

Conversions

Conversions Part 2

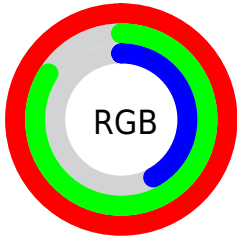
Format	Color
RYB	166, 255, 107
Decimal	16766315
CIELab	86.95, 2.75, 56.97
CIELCh	87, 57.033, 87.241
Yxy	69.9100, 0.4193, 0.4331
Android (android.graphics.Color)	4294956395 (0xFFFFD56B)
YUV	213.4740, -52.4917, 36.4183
Hunter-Lab	83.6122, -1.8170, 41.6260

Details

The XYZ color **67.6881, 69.9100, 23.8364** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **34.8605, 31.8396, 98.9157**, and the grayscale version is **63.8781, 67.2048, 73.1860**.

A 20% lighter version of the original color is **83.4330, 95.3532, 47.7258**, and **35.5697, 36.6647, 8.6923** is the 20% darker color. If you saturate the color by 10%, you get **64.7602, 65.8941, 17.1895**, and if you desaturate by 10%, it is **71.0960, 74.2532, 32.5959**.

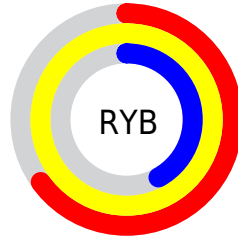
Distribution



Red (100%)

Green (84%)

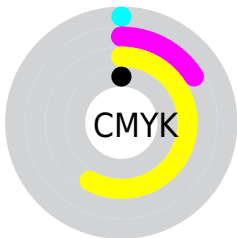
Blue (42%)



Red (65%)

Yellow (100%)

Blue (42%)

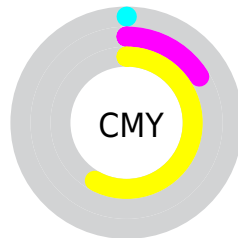


Cyan (0%)

Magenta (16%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6881, 69.9100, 23.8364 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 67.6881, 69.9100, 23.8364 by changing the saturation by 10% instead.

67.6881, 69.9100,
23.8364

67.6881, 69.9100,
23.8364

441.7842,
460.2339, 285.2522

49.9168, 51.4532,
15.0012

114.9502,
119.0804, 50.7036

35.5648, 36.5694,
8.6736

145.1717,
150.5628, 69.5727

24.2668, 24.8743,
4.4350

180.2740,
187.1557, 92.6235

15.6575, 15.9834,
1.8669

220.6223,
229.2438, 120.2745

9.3714, 9.5124,
0.4715

266.5822,
277.2112, 152.9444

5.0433, 5.0769,
0.0000

318.5189,

2.3077, 2.2924,

331.4424, 191.0516

0.0000

376.7978,
392.3219, 235.0147

■ 0.7986, 0.7697,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.6881, 69.9100,
23.8364

■ 67.6881, 69.9100,
23.8364

■ 64.7602, 65.8941,
17.1895

■ 71.0960, 74.2532,
32.5959

■ 62.2705, 62.1790,
12.4615

■ 75.0115, 78.9284,
43.6303

■ 60.1770, 58.7490,
9.4303

■ 79.4657, 83.9522,
57.0909

■ 58.4212, 55.5788,
7.7923

■ 84.4856, 89.3370,
73.1145

■ 58.1002, 54.9807,
7.5501

■ 90.0960, 95.0944,
91.8278

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.



81.2967, 69.9100, 29.5874



67.6881, 69.9100, 23.8364



55.3966, 69.9100, 27.7461

Triad

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



67.6881, 69.9100, 23.8364



46.1728, 69.9100, 114.8874



90.4049, 69.9100, 123.1251

Complementary

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



67.6881, 69.9100, 23.8364



34.8605, 31.8396, 98.9157

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.



78.8779, 69.9100, 161.7651



67.6881, 69.9100, 23.8364



53.5262, 69.9100, 155.9976

Square

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



67.6881, 69.9100, 23.8364



44.0018, 69.9100, 72.6429



65.2219, 69.9100, 175.4446



95.4630, 69.9100, 79.7065

Rectangle

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



67.6881, 69.9100, 23.8364



49.3561, 69.9100, 36.3824



65.2219, 69.9100, 175.4446



87.0887, 69.9100, 137.5904

Sweetspot

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



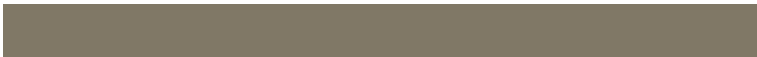
67.6898, 69.9133, 23.8378



85.0404, 89.9174, 74.9298



52.1165, 34.0234, 33.2700



17.9737, 19.0065, 15.2917



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.



67.6898, 69.9133, 23.8378



64.2386, 65.1420, 16.1169



69.5901, 88.6533, 27.3548



19.1001, 20.1684, 19.0305



30.4922, 28.9956, 3.9896



3.0619, 3.0093, 0.4195

Inverse Universe

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



34.8605, 31.8396, 98.9157



28.6789, 23.9941, 97.7275



33.5594, 23.0209, 97.2820



17.4227, 18.2169, 22.8479



10.7631, 6.4358, 50.1095



1.1361, 0.8028, 4.9084

Previews

White Background



This preview shows how the XYZ color 67.6881, 69.9100, 23.8364 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 67.6881, 69.9100, 23.8364 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 67.6881, 69.9100, 23.8364

Background



This preview shows how black text looks on a background with the XYZ color 67.6881, 69.9100, 23.8364.



This preview shows how white text looks on a background with the XYZ color 67.6881, 69.9100,

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

67.6881, 69.9100, 23.8364

Protanopia

64.1073, 69.9477, 24.5904

Deuteranopia

70.0393, 70.0505, 38.6838



Tritanopia

75.5957, 69.9324, 75.1596

Trichromacy



Original Color

67.6881, 69.9100, 23.8364

Protanomaly

65.2687, 69.7873, 24.2176

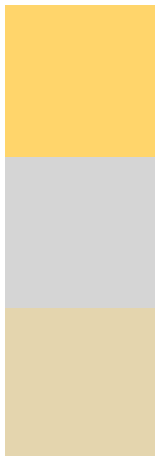
Deuteranomaly

69.0866, 70.0682, 32.4375

Tritanomaly

71.7317, 69.5461, 51.2380

Monochromacy



Original Color

67.6881, 69.9100, 23.8364

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.4291, 67.1385, 49.6603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6881, 69.9100, 23.8364 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 107) }
```

Border

The CSS property to change the border of an element to XYZ 67.6881, 69.9100, 23.8364 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, 107) }
```


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

```
.border{ border-color:rgb(255, 213, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6881, 69.9100, 23.8364 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, 107) }
```

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

```
.background{ background-color: rgb(255,  
213, 107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor