

Converting Colors

XYZ(69.0638, 70.9693, 51.5711)

Have a look what the booklet for
XYZ(69.0638, 70.9693, 51.5711)
contains.

XYZ(69.1096, 71.1633, 51.6884)	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(69.1096, 71.1633,
51.6884)**

Conversions

Conversions Part 1

Format	Color
Hex	F2D8B1
RGB	242, 216, 177
RGB Percent	95%, 85%, 69%
CMY	0.0510, 0.1529, 0.3059
CMYK	0.00, 0.11, 0.27, 0.05
HSL	36°, 71%, 82%
HSV	36°, 27%, 95%
XYZ	69.1096, 71.1633, 51.6884
YIQ	219.3280, 28.0150, -6.6170

Conversions

Conversions Part 2

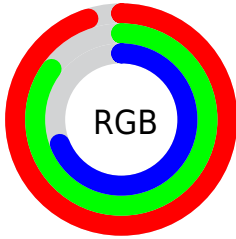
Format	Color
R _Y B	220, 242, 177
Decimal	15915185
CIE Lab	87.56, 3.21, 22.54
CIE LCh	88, 22.769, 81.888
Yxy	71.1633, 0.3600, 0.3707
Android (android.graphics.Color)	4294105265 (0xFFFF2D8B1)
YUV	219.3280, -20.8677, 19.8833
Hunter-Lab	84.3583, -1.3930, 22.7224

Details

The XYZ color **69.1096, 71.1633, 51.6884** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.5139, 58.4681, 92.3642**, and the grayscale version is **67.6880, 71.2131, 77.5510**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **36.3905, 37.2593, 24.3426** is the 20% darker color. If you saturate the color by 10%, you get **64.5018, 65.4714, 39.2889**, and if you desaturate by 10%, it is **74.2950, 77.3249, 66.3924**.

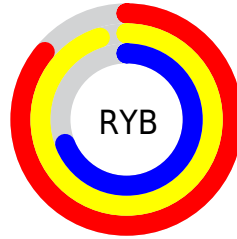
Distribution



Red (95%)

Green (85%)

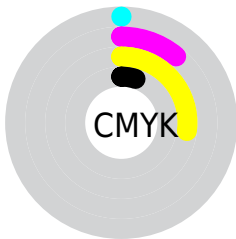
Blue (69%)



Red (86%)

Yellow (95%)

Blue (69%)

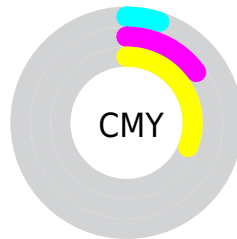


Cyan (0%)

Magenta (11%)

Yellow (27%)

Black (5%)



Cyan (5%)

Magenta (15%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1096, 71.1633, 51.6884 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 69.1096, 71.1633, 51.6884 by changing the saturation by 10% instead.

69.1096, 71.1633,
51.6884

69.1096, 71.1633,
51.6884

446.7328,
464.6241, 410.1551

51.0779, 52.4755,
36.3762

116.9713,
120.8662, 94.0934

36.4919, 37.3842,
24.4329

147.5321,
152.6501, 122.0234

24.9862, 25.5051,
15.4399

182.9999,
189.5681, 154.9963

16.1955, 16.4538,
8.9787

223.7402,
232.0047, 193.4308

9.7543, 9.8458,
4.6306

270.1183,
280.3441, 237.7454

5.2974, 5.2969,
1.9773

322.4995,

2.4593, 2.4225,

334.9709, 288.3586

0.5413

381.2492,
396.2695, 345.6890

■ 0.8748, 0.8374,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.1096, 71.1633,
51.6884

■ 69.1096, 71.1633,
51.6884

■ 64.5018, 65.4714,
39.2889

■ 74.2950, 77.3249,
66.3924

■ 60.4409, 60.2254,
29.0695

■ 80.0757, 83.9598,
83.5074

■ 56.9015, 55.4137,
20.9008

■ 86.4756, 91.0837,
103.1387

■ 53.8537, 51.0199,
14.6380

■ 90.3382, 97.4377,
108.6538

■ 51.2637, 47.0264,
10.1167

■ 90.4280, 97.6173,
108.6837

■ 49.0923, 43.4130,
7.1445

■ 47.2904, 40.1553,
5.4766

■ 46.7770, 39.1953,
5.1000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2298, 71.1633, 56.4243



69.1096, 71.1633, 51.6884



63.8531, 71.1633, 53.1060

Triad

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



69.1096, 71.1633, 51.6884



58.4821, 71.1633, 89.0685



76.1132, 71.1633, 97.2572

Complementary

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



69.1096, 71.1633, 51.6884



55.5139, 58.4681, 92.3642

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.



71.5708, 71.1633, 108.3724



69.1096, 71.1633, 51.6884



61.4496, 71.1633, 103.2250

Square

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



69.1096, 71.1633, 51.6884



57.9009, 71.1633, 73.3768



66.1886, 71.1633, 110.6901



78.4111, 71.1633, 81.7432

Rectangle

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



69.1096, 71.1633, 51.6884



60.9608, 71.1633, 57.4465



66.1886, 71.1633, 110.6901



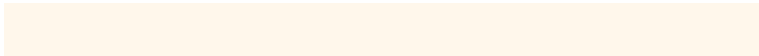
74.7870, 71.1633, 101.7125

Sweetspot

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



69.1115, 71.1665, 51.6899



89.3900, 93.6598, 91.6614



63.1202, 54.6341, 63.7193



18.9161, 19.8003, 18.9692



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.



69.1115, 71.1665, 51.6899



75.0403, 76.7301, 50.5937



74.1146, 84.4263, 53.9856



16.5618, 17.3367, 16.6231



25.2663, 21.3306, 2.7855



2.1990, 1.9686, 0.2641

Inverse Universe

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



55.5139, 58.4681, 92.3642



57.4515, 60.3086, 103.2205



51.3975, 47.9847, 90.5576



15.4160, 16.2662, 20.0488



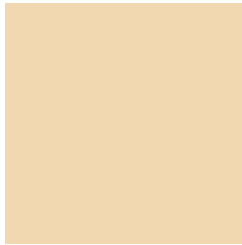
11.0204, 8.2651, 46.1424



1.0116, 0.8771, 3.8702

Previews

White Background



This preview shows how the XYZ color 69.1096, 71.1633, 51.6884 looks on a white background.

Color Contrast Check

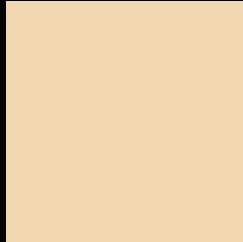
Large Text (above 18pt) WCAG AA × Fail

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 69.1096, 71.1633, 51.6884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

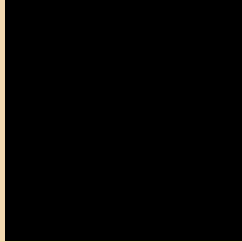
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.1096, 71.1633, 51.6884

Background



This preview shows how black text looks on a background with the XYZ color 69.1096, 71.1633, 51.6884.



This preview shows how white text looks on a background with the XYZ color 69.1096, 71.1633,

51.6884.

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

69.1096, 71.1633, 51.6884

Protanopia

66.9717, 71.2010, 52.3329

Deuteranopia

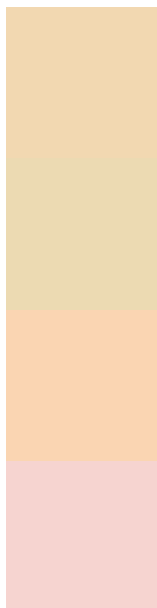
72.5701, 71.0629, 52.0111



Tritanopia

75.2393, 71.0484, 81.6997

Trichromacy



Original Color

69.1096, 71.1633, 51.6884

Protanomaly

67.6994, 71.1900, 52.2924

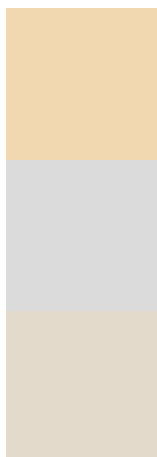
Deuteranomaly

71.2545, 71.1268, 52.0928

Tritanomaly

72.9347, 71.2339, 69.5799

Monochromacy



Original Color

69.1096, 71.1633, 51.6884

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.6490, 70.8333, 67.2335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1096, 71.1633, 51.6884 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(242, 216, 177)` looks like.

```
.text, #text, p{  
    color:rgb(242, 216, 177)  
}
```

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(242, 216, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 216, 177) }
```

Border

The CSS property to change the border of an element to XYZ 69.1096, 71.1633, 51.6884 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(242, 216, 177) }
```


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

```
.border{ border-color:rgb(242, 216, 177) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(242, 216, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 216, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 216, 177);  
box-shadow:4px 4px 4px 4px rgb(242, 216,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1096, 71.1633, 51.6884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 216, 177) }
```

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

```
.background{ background-color: rgb(242,  
216, 177) }
```

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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