

Converting Colors

XYZ(68.6577, 71.3887, 49.1188)

Have a look what the booklet for
XYZ(68.6577, 71.3887, 49.1188)
contains.

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Color

**XYZ(68.5349, 71.3050,
49.1808)**

Conversions

Conversions Part 1

Format	Color
Hex	F1D9AC
RGB	241, 217, 172
RGB Percent	95%, 85%, 67%
CMY	0.0549, 0.1490, 0.3255
CMYK	0.00, 0.10, 0.29, 0.05
HSL	39°, 71%, 81%
HSV	39°, 29%, 95%
XYZ	68.5349, 71.3050, 49.1808
YIQ	219.0460, 28.7490, -8.9070

Conversions

Conversions Part 2

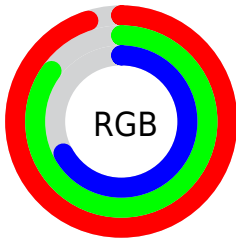
Format	Color
R _Y B	209, 241, 172
Decimal	15849900
CIE Lab	87.63, 1.67, 25.22
CIE LCh	88, 25.280, 86.219
Yxy	71.3050, 0.3626, 0.3772
Android (android.graphics.Color)	4294039980 (0xFFFF1D9AC)
YUV	219.0460, -23.1937, 19.2537
Hunter-Lab	84.4423, -2.9002, 24.5780

Details

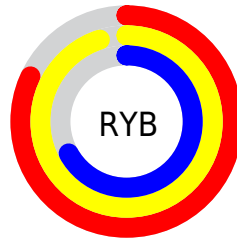
The XYZ color **68.5349, 71.3050, 49.1808** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.6300, 54.6000, 90.9844**, and the grayscale version is **67.5073, 71.0229, 77.3440**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **36.0173, 37.3629, 22.7662** is the 20% darker color. If you saturate the color by 10%, you get **64.3219, 66.2530, 37.3742**, and if you desaturate by 10%, it is **73.2811, 76.7508, 63.2375**.

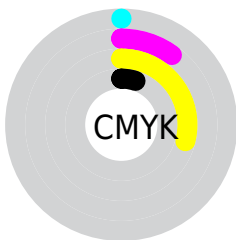
Distribution



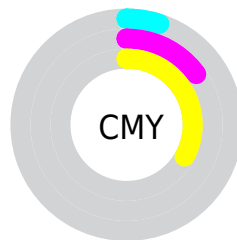
- Red (95%)
- Green (85%)
- Blue (67%)



- Red (82%)
- Yellow (95%)
- Blue (67%)



- Cyan (0%)
- Magenta (10%)
- Yellow (29%)
- Black (5%)



- Cyan (5%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5349, 71.3050, 49.1808 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 68.5349, 71.3050, 49.1808 by changing the saturation by 10% instead.

68.5349, 71.3050,
49.1808

68.5349, 71.3050,
49.1808

444.7359,
465.1189, 400.0966

50.6083, 52.5911,
34.3963

116.1547,
121.0679, 90.3437

36.1167, 37.4765,
22.9184

146.5787,
152.8857, 117.5592

24.6949, 25.5766,
14.3285

181.8991,
189.8404, 149.7554

15.9774, 16.5072,
8.2082

222.4814,
232.3161, 187.3509

9.5989, 9.8838,
4.1388

268.6908,
280.6975, 230.7642

5.1941, 5.3219,
1.7018

320.8928,

2.3975, 2.4374,

335.3688, 280.4139

0.3619

379.4528,
396.7145, 336.7185

■ 0.8439, 0.8450,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5349, 71.3050,
49.1808

■ 68.5349, 71.3050,
49.1808

■ 64.3219, 66.2530,
37.3742

■ 73.2811, 76.7508,
63.2375

■ 60.6122, 61.5728,
27.6933

■ 78.5775, 82.5923,
79.6509

■ 57.3812, 57.2545,
20.0079

■ 84.4472, 88.8436,
98.5263

■ 54.5996, 53.2835,
14.1721

■ 88.6761, 94.6216,
108.1978

■ 52.2342, 49.6438,
10.0194

■ 90.0858, 97.4408,
108.6677

■ 50.2459, 46.3170,
7.3533

■ 48.5788, 43.2779,
5.8879

■ 48.3652, 42.8797,
5.7275

Harmonies

Analogous

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



74.3745, 71.3050, 53.3438



68.5349, 71.3050, 49.1808



62.8158, 71.3050, 51.6695

Triad

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



68.5349, 71.3050, 49.1808



57.9659, 71.3050, 93.1269



77.7940, 71.3050, 97.4412

Complementary

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



68.5349, 71.3050, 49.1808



52.6300, 54.6000, 90.9844

Split Complementary

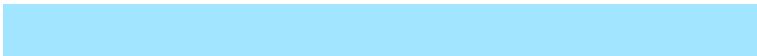
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.9850, 71.3050, 111.1132



68.5349, 71.3050, 49.1808



61.5746, 71.3050, 108.3761

Square

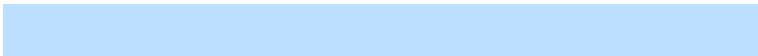
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5349, 71.3050, 49.1808



56.9280, 71.3050, 75.4861



67.0173, 71.3050, 115.3814



79.9152, 71.3050, 79.8325

Rectangle

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



68.5349, 71.3050, 49.1808



59.8006, 71.3050, 56.9974



67.0173, 71.3050, 115.3814



76.4248, 71.3050, 102.7446

Sweetspot

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



68.5367, 71.3083, 49.1823



89.0792, 93.6222, 89.7571



61.0097, 52.1990, 59.1748



18.8708, 19.8260, 18.5956



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.



68.5367, 71.3083, 49.1823



75.2205, 77.8676, 48.2579



71.7444, 82.8203, 51.2353



16.6333, 17.4798, 16.6470



26.3582, 23.5145, 3.1495



2.2854, 2.1415, 0.2929

Inverse Universe

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



52.6300, 54.6000, 90.9844



54.5596, 56.1721, 102.5744



50.0047, 45.8446, 89.4328



15.3468, 16.1277, 20.0257



10.4347, 7.0936, 45.9471



0.9578, 0.7697, 3.8523

Previews

White Background



This preview shows how the XYZ color 68.5349, 71.3050, 49.1808 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 68.5349, 71.3050, 49.1808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

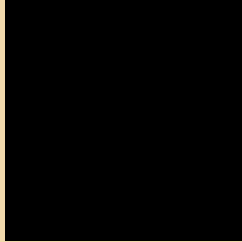
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5349, 71.3050, 49.1808

Background



This preview shows how black text looks on a background with the XYZ color 68.5349, 71.3050, 49.1808.



This preview shows how white text looks on a background with the XYZ color 68.5349, 71.3050,

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

68.5349, 71.3050, 49.1808

Protanopia

66.8060, 71.1726, 49.7518

Deuteranopia

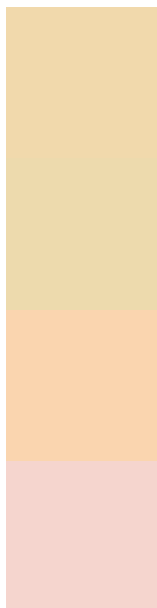
72.3707, 70.9831, 50.9611



Tritanopia

75.1318, 71.3583, 81.7652

Trichromacy



Original Color

68.5349, 71.3050, 49.1808

Protanomaly

67.5393, 71.1645, 49.7116

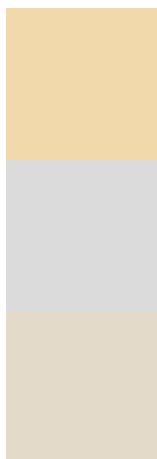
Deuteranomaly

70.9565, 71.0076, 50.5235

Tritanomaly

72.5910, 71.4572, 68.3592

Monochromacy



Original Color

68.5349, 71.3050, 49.1808

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.4106, 70.7380, 65.9780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5349, 71.3050, 49.1808 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(241, 217, 172)` looks like.

```
.text, #text, p{  
    color:rgb(241, 217, 172)  
}
```

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(241, 217, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 217, 172) }
```

Border

The CSS property to change the border of an element to XYZ 68.5349, 71.3050, 49.1808 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(241, 217, 172) }
```


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

```
.border{ border-color:rgb(241, 217, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 217, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 217, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 217, 172);  
box-shadow:4px 4px 4px 4px rgb(241, 217,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5349, 71.3050, 49.1808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 217, 172) }
```

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

```
.background{ background-color: rgb(241,  
217, 172) }
```

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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