

Converting Colors

XYZ(67.2994, 71.6245, 49.5053)

Have a look what the booklet for
XYZ(67.2994, 71.6245, 49.5053)
contains.

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Color

**XYZ(67.0389, 71.3038,
49.2594)**

Conversions

Conversions Part 1

Format	Color
Hex	EBDBAC
RGB	235, 219, 172
RGB Percent	92%, 86%, 67%
CMY	0.0784, 0.1412, 0.3255
CMYK	0.00, 0.07, 0.27, 0.08
HSL	45°, 61%, 80%
HSV	45°, 27%, 92%
XYZ	67.0389, 71.3038, 49.2594
YIQ	218.4260, 24.6230, -11.2250

Conversions

Conversions Part 2

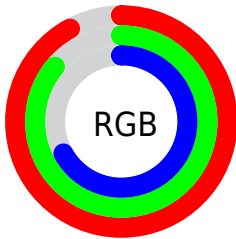
Format	Color
RYB	193, 235, 172
Decimal	15457196
CIELab	87.63, -1.62, 25.14
CIELCh	88, 25.194, 93.679
Yxy	71.3038, 0.3573, 0.3801
Android (android.graphics.Color)	4293647276 (0xFFEBDBAC)
YUV	218.4260, -22.8880, 14.5354
Hunter-Lab	84.4416, -6.0601, 24.5220

Details

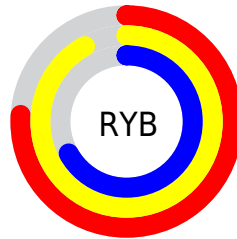
The XYZ color **67.0389, 71.3038, 49.2594** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.9916, 50.7339, 85.7554**, and the grayscale version is **67.0775, 70.5707, 76.8515**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **35.1956, 37.4665, 22.8295** is the 20% darker color. If you saturate the color by 10%, you get **63.4504, 67.4247, 37.8958**, and if you desaturate by 10%, it is **71.0860, 75.4606, 62.7465**.

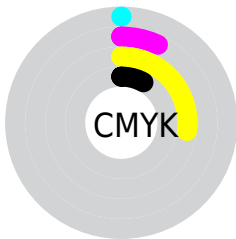
Distribution



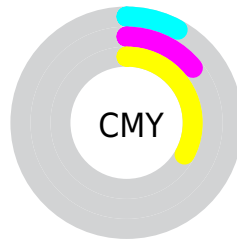
- Red (92%)
- Green (86%)
- Blue (67%)



- Red (76%)
- Yellow (92%)
- Blue (67%)



- Cyan (0%)
- Magenta (7%)
- Yellow (27%)
- Black (8%)



- Cyan (8%)
- Magenta (14%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0389, 71.3038, 49.2594 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 67.0389, 71.3038, 49.2594 by changing the saturation by 10% instead.

67.0389, 71.3038,
49.2594

67.0389, 71.3038,
49.2594

439.5135,
465.1147, 400.4144

49.3871, 52.5902,
34.4582

114.0256,
121.0662, 90.4616

35.1424, 37.4757,
22.9657

144.0912,
152.8837, 117.6997

23.9396, 25.5760,
14.3631

179.0255,
189.8381, 149.9205

15.4133, 16.5067,
8.2320

219.1937,
232.3135, 187.5426

9.1982, 9.8834,
4.1539

264.9612,
280.6945, 230.9845

4.9288, 5.3217,
1.7101

316.6935,

2.2399, 2.4372,

335.3655, 280.6647

0.3677

374.7558,
396.7107, 337.0019

■ 0.7636, 0.8450,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.0389, 71.3038,
49.2594

■ 67.0389, 71.3038,
49.2594

■ 63.4504, 67.4247,
37.8958

■ 71.0860, 75.4606,
62.7465

■ 60.2935, 63.8041,
28.5403

■ 75.6063, 79.8943,
78.4555

■ 57.5463, 60.4349,
21.0733

■ 80.6203, 84.6166,
96.4838

■ 55.1829, 57.3056,
15.3607

■ 84.3232, 88.9064,
107.3241

■ 53.1739, 54.4036,
11.2505

■ 86.1366, 92.5333,
107.9286

■ 51.4849, 51.7140,
8.5647

■ 88.0086, 96.2772,
108.5526

■ 50.0721, 49.2185,
7.0765

■ 88.0711, 96.4022,
108.5734

■ 49.6568, 48.4536,
6.7353

Harmonies

Analogous

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



72.9848, 71.3038, 51.7647



67.0389, 71.3038, 49.2594



61.6098, 71.3038, 53.3899

Triad

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



67.0389, 71.3038, 49.2594



58.6705, 71.3038, 97.3109



78.5789, 71.3038, 93.1287

Complementary

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



67.0389, 71.3038, 49.2594



49.9916, 50.7339, 85.7554

Split Complementary

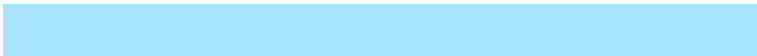
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.3322, 71.3038, 108.2989



67.0389, 71.3038, 49.2594



62.8137, 71.3038, 110.9513

Square

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



67.0389, 71.3038, 49.2594



56.9605, 71.3038, 79.7644



68.5107, 71.3038, 115.2393



79.8719, 71.3038, 75.5492

Rectangle

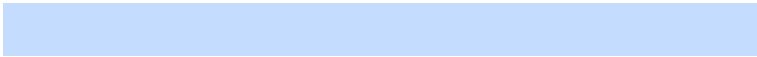
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.0389, 71.3038, 49.2594



58.9463, 71.3038, 59.7650



68.5107, 71.3038, 115.2393



77.4377, 71.3038, 98.7596

Sweetspot

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



67.0407, 71.3070, 49.2609



90.3076, 95.4949, 91.9672



58.1777, 50.8335, 54.7768



19.1478, 20.2639, 19.0465



0.0000, 0.0000, 0.0000



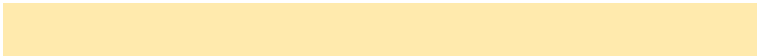
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.0407, 71.3070, 49.2609



78.3250, 83.2995, 51.6886



66.7613, 77.6581, 50.5015



16.0094, 16.9418, 15.9450



27.7435, 27.1812, 3.7843



2.2545, 2.2864, 0.3225

Inverse Universe

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



49.9916, 50.7339, 85.7554



54.6900, 54.7856, 102.3000



50.1689, 46.0311, 84.8383



14.5420, 15.1704, 19.0840



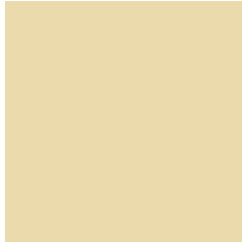
9.3213, 5.2896, 44.2727



0.8070, 0.5654, 3.5015

Previews

White Background



This preview shows how the XYZ color 67.0389, 71.3038, 49.2594 looks on a white background.

Color Contrast Check

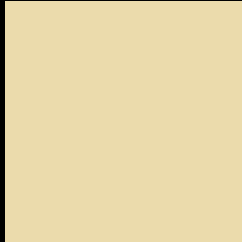
Large Text (above 18pt) WCAG AA × Fail

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 67.0389, 71.3038, 49.2594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

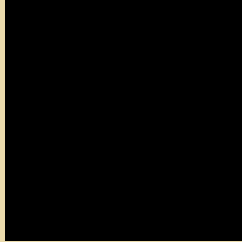
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.0389, 71.3038, 49.2594

Background



This preview shows how black text looks on a background with the XYZ color 67.0389, 71.3038, 49.2594.

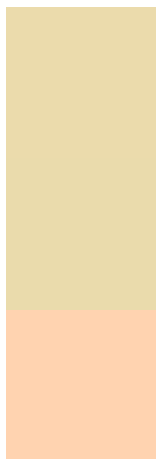


This preview shows how white text looks on a background with the XYZ color 67.0389, 71.3038,

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

67.0389, 71.3038, 49.2594

Protanopia

66.7096, 71.1340, 49.2440

Deuteranopia

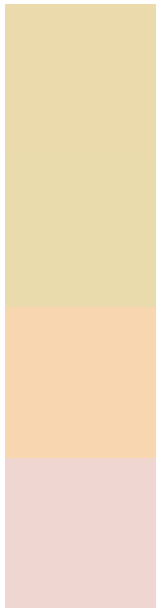
72.3707, 70.9831, 50.9611



Tritanopia

73.9158, 71.0672, 83.2203

Trichromacy



Original Color

67.0389, 71.3038, 49.2594

Protanomaly

66.7096, 71.1340, 49.2440

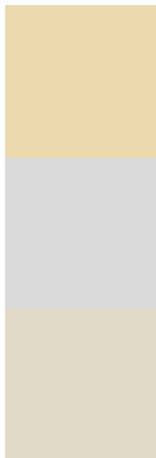
Deuteranomaly

70.4958, 71.1447, 50.5742

Tritanomaly

71.0283, 70.9979, 69.6349

Monochromacy



Original Color

67.0389, 71.3038, 49.2594

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.3545, 70.2071, 65.3124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0389, 71.3038, 49.2594 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(235, 219, 172)` looks like.

```
.text, #text, p{  
    color:rgb(235, 219, 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(235, 219, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 219, 172) }
```

Border

The CSS property to change the border of an element to XYZ 67.0389, 71.3038, 49.2594 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(235, 219, 172) }
```


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

```
.border{ border-color:rgb(235, 219, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 219, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 219, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 219, 172); box-shadow:4px 4px 4px 4px rgb(235, 219, 172) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0389, 71.3038, 49.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 219, 172) }
```

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

```
.background{ background-color: rgb(235,  
219, 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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