

Converting Colors

XYZ(68.9726, 75.4173, 51.0696)

Have a look what the booklet for
XYZ(68.9726, 75.4173, 51.0696)
contains.

XYZ(69.0408, 75.4866, 50.9759)	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(69.0408, 75.4866,
50.9759)**

Conversions

Conversions Part 1

Format	Color
Hex	EAE3AE
RGB	234, 227, 174
RGB Percent	92%, 89%, 68%
CMY	0.0824, 0.1098, 0.3176
CMYK	0.00, 0.03, 0.26, 0.08
HSL	53°, 59%, 80%
HSV	53°, 26%, 92%
XYZ	69.0408, 75.4866, 50.9759
YIQ	223.0510, 21.1850, -14.9990

Conversions

Conversions Part 2

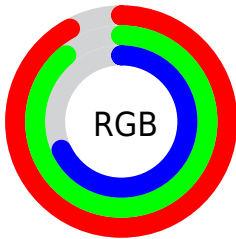
Format	Color
R_{YB}	182, 234, 174
Decimal	15393710
CIE _{Lab}	89.62, -5.80, 26.81
CIE _{LCh}	90, 27.427, 102.207
Yxy	75.4866, 0.3531, 0.3861
Android (android.graphics.Color)	4293583790 (0xFFEAE3AE)
YUV	223.0510, -24.1821, 9.6023
Hunter-Lab	86.8830, -10.2019, 26.0316

Details

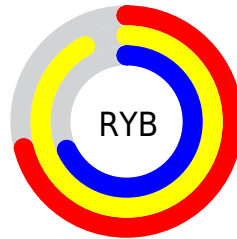
The XYZ color **69.0408, 75.4866, 50.9759** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.8306, 47.9858, 84.5309**, and the grayscale version is **70.3330, 73.9958, 80.5815**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **36.5638, 40.3505, 23.9505** is the 20% darker color. If you saturate the color by 10%, you get **66.2159, 73.1748, 39.7431**, and if you desaturate by 10%, it is **72.2789, 77.9878, 64.3088**.

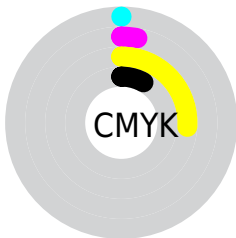
Distribution



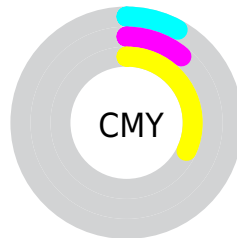
- Red (92%)
- Green (89%)
- Blue (68%)



- Red (71%)
- Yellow (92%)
- Blue (68%)



- Cyan (0%)
- Magenta (3%)
- Yellow (26%)
- Black (8%)



- Cyan (8%)
- Magenta (11%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0408, 75.4866, 50.9759 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 69.0408, 75.4866, 50.9759 by changing the saturation by 10% instead.

69.0408, 75.4866,
50.9759

69.0408, 75.4866,
50.9759

446.4940,
479.5884, 407.3140

51.0217, 56.0116,
35.8128

116.8736,
127.0009, 93.0303

36.4470, 40.2122,
24.0011

147.4180,
159.8091, 120.7587

24.9513, 27.7041,
15.1223

182.8682,
197.8304, 153.5126

16.1693, 18.1027,
8.7577

223.5896,
241.4493, 191.7106

9.7357, 11.0237,
4.4888

269.9475,
291.0501, 235.7712

5.2850, 6.0828,
1.8971

322.3073,

2.4519, 2.8955,

347.0173, 286.1129

0.4909

381.0344,
409.7353, 343.1544

■ 0.8711, 1.0774,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.0408, 75.4866,
50.9759

■ 69.0408, 75.4866,
50.9759

■ 66.2159, 73.1748,
39.7431

■ 72.2789, 77.9878,
64.3088

■ 63.7777, 71.0339,
30.4972

■ 75.9435, 80.6760,
79.8378

■ 61.7056, 69.0581,
23.1213

■ 80.0545, 83.5619,
97.6587

■ 59.9747, 67.2376,
17.4846

■ 82.5325, 85.8138,
106.8215

■ 58.5568, 65.5608,
13.4393

■ 83.3324, 87.4137,
107.0882

■ 57.4193, 64.0146,
10.8131

■ 84.1445, 89.0377,
107.3588

■ 56.5217, 62.5827,
9.3936

■ 84.9686, 90.6860,
107.6336

■ 56.1771, 61.9829,
9.0031

■ 85.8050, 92.3587,
107.9124

■ 86.6536, 94.0559,
108.1952

Harmonies

Analogous

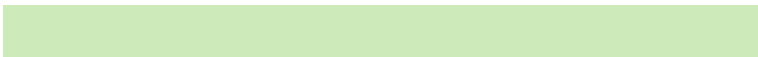
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7837, 75.4866, 51.6603



69.0408, 75.4866, 50.9759



63.3842, 75.4866, 57.6386

Triad

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



69.0408, 75.4866, 50.9759



62.5649, 75.4866, 109.7502



84.8163, 75.4866, 94.0708

Complementary

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



69.0408, 75.4866, 50.9759



48.8306, 47.9858, 84.5309

Split Complementary

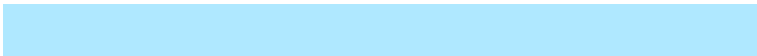
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8164, 75.4866, 112.8832



69.0408, 75.4866, 50.9759



67.8577, 75.4866, 122.8655

Square

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



69.0408, 75.4866, 50.9759



59.8055, 75.4866, 90.2969



74.5245, 75.4866, 124.0944



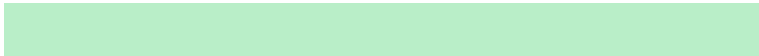
85.1826, 75.4866, 74.5874

Rectangle

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



69.0408, 75.4866, 50.9759



60.8771, 75.4866, 66.0634



74.5245, 75.4866, 124.0944



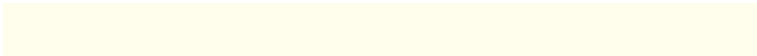
83.8411, 75.4866, 100.7529

Sweetspot

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



69.0427, 75.4900, 50.9775



91.1836, 97.2470, 92.2593



57.4090, 51.1017, 50.5549



19.3698, 20.7078, 19.1204



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.



69.0427, 75.4900, 50.9775



81.9617, 90.1730, 54.1336



63.9274, 75.7511, 51.2975



16.1933, 17.3096, 16.0063



31.6287, 34.9517, 5.0793



2.5261, 2.8295, 0.4130

Inverse Universe

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



48.8306, 47.9858, 84.5309



53.3268, 51.2116, 101.6819



53.0141, 48.0839, 84.3293



14.3726, 14.8317, 19.0275



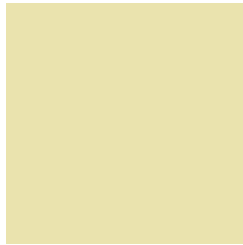
8.6158, 3.8785, 44.0375



0.7231, 0.3977, 3.4735

Previews

White Background



This preview shows how the XYZ color 69.0408, 75.4866, 50.9759 looks on a white background.

Color Contrast Check

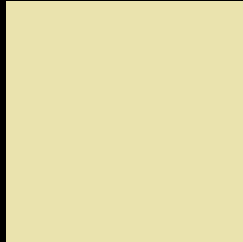
Large Text (above 18pt) WCAG AA × Fail

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 69.0408, 75.4866, 50.9759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

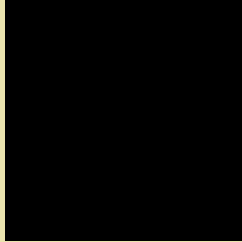
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.0408, 75.4866, 50.9759

Background



This preview shows how black text looks on a background with the XYZ color 69.0408, 75.4866, 50.9759.



This preview shows how white text looks on a background with the XYZ color 69.0408, 75.4866, 50.9759.

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

69.0408, 75.4866, 50.9759

Protanopia

70.7437, 75.5683, 50.3927

Deuteranopia

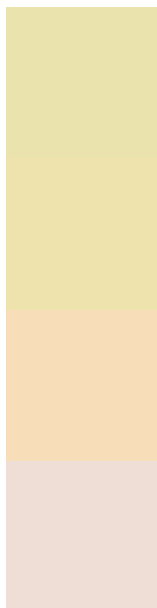
75.4967, 75.0769, 58.6563



Tritanopia

77.0898, 75.5964, 89.8854

Trichromacy



Original Color

69.0408, 75.4866, 50.9759

Protanomaly

69.9991, 75.5870, 50.4356

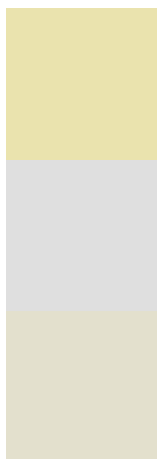
Deuteranomaly

72.8660, 74.9478, 55.9733

Tritanomaly

73.7281, 75.3974, 73.6180

Monochromacy



Original Color

69.0408, 75.4866, 50.9759

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.3537, 74.0500, 68.3954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0408, 75.4866, 50.9759 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(234, 227, 174)` looks like.

```
.text, #text, p{  
    color:rgb(234, 227, 174)  
}
```

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(234, 227, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 227, 174) }
```

Border

The CSS property to change the border of an element to XYZ 69.0408, 75.4866, 50.9759 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(234, 227, 174) }
```


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

```
.border{ border-color:rgb(234, 227, 174) }
```

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

Here you see how a box with a 4 pixel rgb(234, 227, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 227, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 227, 174);  
box-shadow:4px 4px 4px 4px rgb(234, 227,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0408, 75.4866, 50.9759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 227, 174) }
```

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

```
.background{ background-color: rgb(234,  
227, 174) }
```

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