

Converting Colors

XYZ(67.0896, 69.4224, 48.8936)

Have a look what the booklet for
XYZ(67.0896, 69.4224, 48.8936)
contains.

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Color

**XYZ(67.0896, 69.4224,
48.8936)**

Conversions

Conversions Part 1

Format	Color
Hex	EFD6AC
RGB	239, 214, 172
RGB Percent	94%, 84%, 67%
CMY	0.0627, 0.1608, 0.3255
CMYK	0.00, 0.10, 0.28, 0.06
HSL	38°, 68%, 81%
HSV	38°, 28%, 94%
XYZ	67.0896, 69.4224, 48.8936
YIQ	216.6870, 28.3820, -7.7620

Conversions

Conversions Part 2

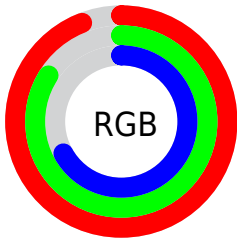
Format	Color
R_{YB}	212, 239, 172
Decimal	15718060
CIE _{Lab}	86.71, 2.46, 23.94
CIE _{LCh}	87, 24.063, 84.134
Y _{xy}	69.4224, 0.3619, 0.3744
Android (android.graphics.Color)	4293908140 (0xFFEFD6AC)
YUV	216.6870, -22.0307, 19.5685
Hunter-Lab	83.3201, -2.0814, 23.5317

Details

The XYZ color **67.0896, 69.4224, 48.8936** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.5592, 54.9338, 89.4948**, and the grayscale version is **65.8730, 69.3035, 75.4715**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **35.0193, 36.0733, 22.5699** is the 20% darker color. If you saturate the color by 10%, you get **62.8029, 64.1977, 37.1406**, and if you desaturate by 10%, it is **71.9163, 75.0656, 62.8647**.

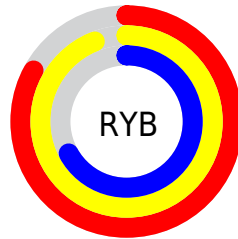
Distribution



Red (94%)

Green (84%)

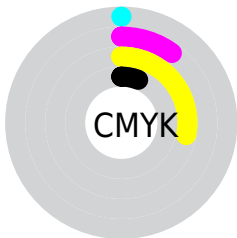
Blue (67%)



Red (83%)

Yellow (94%)

Blue (67%)

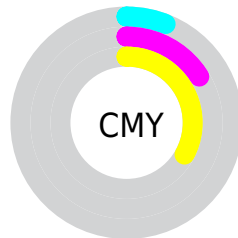


Cyan (0%)

Magenta (10%)

Yellow (28%)

Black (6%)



Cyan (6%)


Magenta (16%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.0896, 69.4224, 48.8936 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 67.0896, 69.4224, 48.8936 by changing the saturation by 10% instead.


 67.0896, 69.4224,
48.8936

 67.0896, 69.4224,
48.8936


439.6911,
458.5193, 398.9337

 49.4284, 51.0558,
34.1701


 114.0979,
118.3847, 89.9128

 35.1754, 36.2530,
22.7459


144.1757,
149.7492, 117.0455

 23.9651, 24.6297,
14.2024

179.1231,
186.2150, 149.1517

 15.4324, 15.8014,
8.1212

219.3054,
228.1667, 186.6499

 9.2117, 9.3837,
4.0837

265.0880,
275.9886, 229.9586

 4.9377, 4.9923,
1.6714

316.8362,

 2.2451, 2.2427,

330.0650, 279.4965

0.3410

374.9155,
390.7805, 335.6820

■ 0.7664, 0.7431,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.0896, 69.4224,
48.8936

■ 67.0896, 69.4224,
48.8936

■ 62.8029, 64.1977,
37.1406

■ 71.9163, 75.0656,
62.8647

■ 59.0267, 59.3694,
27.4841

■ 77.2999, 81.1298,
79.1582

■ 55.7366, 54.9267,
19.7976

■ 83.2633, 87.6297,
97.8767

■ 52.9037, 50.8550,
13.9386

■ 87.7301, 93.7375,
108.0770

■ 50.4951, 47.1376,
9.7455

■ 89.4068, 97.0908,
108.6359

■ 48.4729, 43.7560,
7.0277

■ 46.7848, 40.6856,
5.5223

■ 46.4774, 40.1121,
5.2928

Harmonies

Analogous

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



72.4905, 69.4224, 53.2670



67.0896, 69.4224, 48.8936



61.6818, 69.4224, 50.8120

Triad

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



67.0896, 69.4224, 48.8936



56.6442, 69.4224, 88.9010



75.0928, 69.4224, 95.1179

Complementary

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



67.0896, 69.4224, 48.8936



52.5592, 54.9338, 89.4948

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.



70.4816, 69.4224, 107.3404



67.0896, 69.4224, 48.8936



59.8788, 69.4224, 103.4109

Square

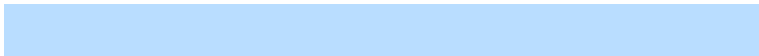
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.0896, 69.4224, 48.8936



55.8493, 69.4224, 72.4836



64.8904, 69.4224, 110.5713



77.2759, 69.4224, 78.7822

Rectangle

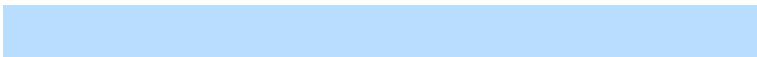
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.0896, 69.4224, 48.8936



58.7718, 69.4224, 55.5607



64.8904, 69.4224, 110.5713



73.7631, 69.4224, 99.9312

Sweetspot

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



67.0914, 69.4256, 48.8950



89.5577, 93.9951, 91.7173



60.5063, 51.9192, 60.0680



18.9584, 19.8849, 18.9833



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.



67.0914, 69.4256, 48.8950



74.6316, 76.6899, 48.0616



71.3276, 81.7315, 51.0470



16.5986, 17.4102, 16.6354



25.8143, 22.4267, 2.9682



2.2426, 2.0558, 0.2786

Inverse Universe

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



52.5592, 54.9338, 89.4948



55.0662, 57.1855, 102.7433



49.1131, 45.4193, 87.8400



15.3803, 16.1948, 20.0369



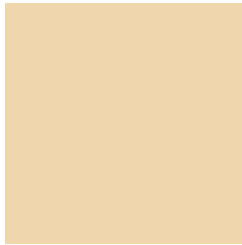
10.7070, 7.6382, 46.0379



0.9831, 0.8202, 3.8607

Previews

White Background



This preview shows how the XYZ color 67.0896, 69.4224, 48.8936 looks on a white background.

Color Contrast Check

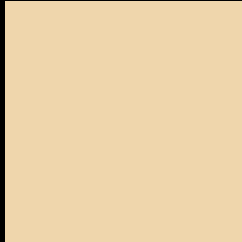
Large Text (above 18pt) WCAG AA × Fail

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 67.0896, 69.4224, 48.8936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

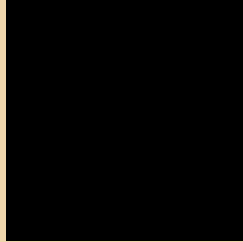
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.0896, 69.4224, 48.8936

Background



This preview shows how black text looks on a background with the XYZ color 67.0896, 69.4224, 48.8936.



This preview shows how white text looks on a background with the XYZ color 67.0896, 69.4224,

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

67.0896, 69.4224, 48.8936

Protanopia

65.3107, 69.6318, 49.5332

Deuteranopia

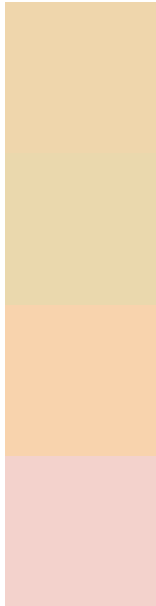
70.8513, 69.5007, 49.2159



Tritanopia

73.2883, 69.3658, 79.3383

Trichromacy



Original Color

67.0896, 69.4224, 48.8936

Protanomaly

66.0304, 69.6213, 49.4932

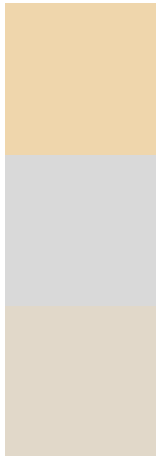
Deuteranomaly

69.5485, 69.5621, 49.2964

Tritanomaly

70.9078, 69.5075, 66.8058

Monochromacy



Original Color

67.0896, 69.4224, 48.8936

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.1498, 69.3363, 65.1551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0896, 69.4224, 48.8936 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(239, 214, 172)` looks like.

```
.text, #text, p{  
    color:rgb(239, 214, 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(239, 214, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 214, 172) }
```

Border

The CSS property to change the border of an element to XYZ 67.0896, 69.4224, 48.8936 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(239, 214, 172) }
```


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

```
.border{ border-color:rgb(239, 214, 172) }
```

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

Here you see how a box with a 4 pixel rgb(239, 214, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 214, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 214, 172);  
box-shadow:4px 4px 4px 4px rgb(239, 214,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0896, 69.4224, 48.8936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 214, 172) }
```

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

```
.background{ background-color: rgb(239,  
214, 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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