

Converting Colors

XYZ(67.4609, 68.6790, 48.6308)

Have a look what the booklet for
XYZ(67.4609, 68.6790, 48.6308)
contains.

XYZ(67.3586, 68.4443, 48.6906)	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(67.3586, 68.4443,
48.6906)**

Conversions

Conversions Part 1

Format	Color
Hex	F2D3AC
RGB	242, 211, 172
RGB Percent	95%, 83%, 67%
CMY	0.0510, 0.1725, 0.3255
CMYK	0.00, 0.13, 0.29, 0.05
HSL	33°, 73%, 81%
HSV	33°, 29%, 95%
XYZ	67.3586, 68.4443, 48.6906
YIQ	215.8230, 30.9950, -5.5570

Conversions

Conversions Part 2

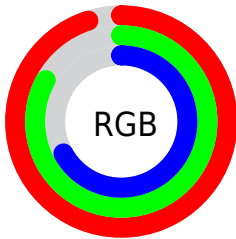
Format	Color
R _{YB}	228, 242, 172
Decimal	15913900
CIE Lab	86.23, 5.14, 23.31
CIE LCh	86, 23.874, 77.561
Yxy	68.4443, 0.3651, 0.3710
Android (android.graphics.Color)	4294103980 (0xFFFF2D3AC)
YUV	215.8230, -21.6047, 22.9572
Hunter-Lab	82.7311, 0.5531, 23.0172

Details

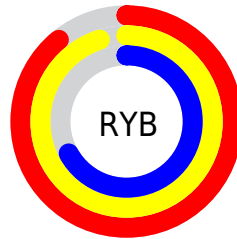
The XYZ color **67.3586, 68.4443, 48.6906** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.3957, 57.8917, 92.3119**, and the grayscale version is **65.2789, 68.6784, 74.7908**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **35.4547, 35.7843, 22.8077** is the 20% darker color. If you saturate the color by 10%, you get **62.6693, 62.4524, 36.6863**, and if you desaturate by 10%, it is **72.6522, 74.9667, 62.9859**.

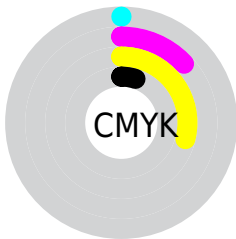
Distribution



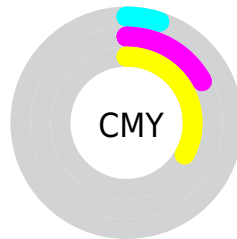
- Red (95%)
- Green (83%)
- Blue (67%)



- Red (89%)
- Yellow (95%)
- Blue (67%)



- Cyan (0%)
- Magenta (13%)
- Yellow (29%)
- Black (5%)



- Cyan (5%)
- Magenta (17%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.3586, 68.4443, 48.6906 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 67.3586, 68.4443, 48.6906 by changing the saturation by 10% instead.

 67.3586, 68.4443,
48.6906

 67.3586, 68.4443,
48.6906

440.6326,
455.0686, 398.1104

 49.6479, 50.2593,
34.0102


 114.4811,
116.9875, 89.6080

 35.3503, 35.6195,
22.6240


144.6235,
148.1145, 116.6821

 24.1006, 24.1404,
14.1135


179.6406,
184.3243, 148.7245

 15.5334, 15.4378,
8.0600

219.8976,
226.0012, 186.1538

 9.2834, 9.1272,
4.0450

265.7600,
273.5297, 229.3885

 4.9851, 4.8243,
1.6501

317.5930,

 2.2732, 2.1445,

327.2942, 278.8471

0.3262

375.7621,
387.6790, 334.9482

■ 0.7809, 0.6895,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.3586, 68.4443,
48.6906

■ 67.3586, 68.4443,
48.6906

■ 62.6693, 62.4524,
36.6863

■ 72.6522, 74.9667,
62.9859

■ 58.5526, 56.9656,
26.8464

■ 78.5694, 82.0254,
79.6809

■ 54.9814, 51.9699,
19.0387

■ 85.1349, 89.6379,
98.8826

■ 51.9243, 47.4467,
13.1143

■ 90.0679, 96.8969,
108.5636

■ 49.3453, 43.3757,
8.9037

■ 90.4281, 97.6173,
108.6837

■ 47.2028, 39.7340,
6.2065

■ 45.4362, 36.4908,
4.7234

■ 45.2606, 36.1624,
4.5945

Harmonies

Analogous

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



72.4538, 68.4443, 54.3346



67.3586, 68.4443, 48.6906



61.9156, 68.4443, 49.2199

Triad

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



67.3586, 68.4443, 48.6906



55.4847, 68.4443, 84.0400



73.1742, 68.4443, 96.8846

Complementary

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



67.3586, 68.4443, 48.6906



54.3957, 57.8917, 92.3119

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.



68.2972, 68.4443, 107.2857



67.3586, 68.4443, 48.6906



58.1765, 68.4443, 99.1821

Square

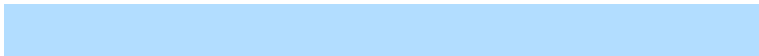
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.3586, 68.4443, 48.6906



55.2650, 68.4443, 68.1896



62.8031, 68.4443, 108.1813



75.9362, 68.4443, 81.2394

Rectangle

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



67.3586, 68.4443, 48.6906



58.8187, 68.4443, 53.0036



62.8031, 68.4443, 108.1813



71.7156, 68.4443, 101.2001

Sweetspot

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



67.3604, 68.4474, 48.6920



88.4160, 92.2959, 89.5360



62.2102, 52.7187, 63.7104



18.7072, 19.4988, 18.5410



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.



67.3604, 68.4474, 48.6920



72.5232, 72.8504, 46.1954



74.6269, 84.7469, 51.4552



16.5033, 17.2197, 16.6036



24.4528, 19.7038, 2.5144



2.1333, 1.8372, 0.2422

Inverse Universe

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



54.3957, 57.8917, 92.3119



55.6191, 59.0912, 103.0821



48.5719, 45.0887, 90.1476



15.4733, 16.3807, 20.0679



11.5743, 9.3728, 46.3270



1.0605, 0.9750, 3.8865

Previews

White Background



This preview shows how the XYZ color 67.3586, 68.4443, 48.6906 looks on a white background.

Color Contrast Check

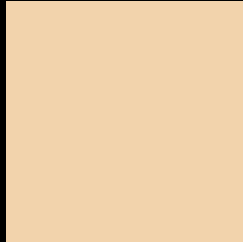
Large Text (above 18pt) WCAG AA × Fail

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 67.3586, 68.4443, 48.6906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

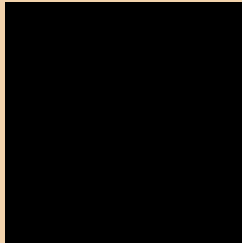
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

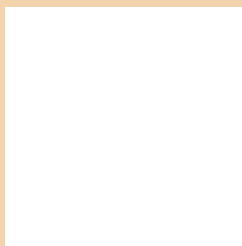
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3586, 68.4443, 48.6906

Background



This preview shows how black text looks on a background with the XYZ color 67.3586, 68.4443, 48.6906.



This preview shows how white text looks on a background with the XYZ color 67.3586, 68.4443,

48.6906.

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

67.3586, 68.4443, 48.6906

Protanopia

64.2535, 68.3149, 49.8440

Deuteranopia

69.6393, 68.1520, 49.0194



Tritanopia

73.2225, 68.3095, 77.0360

Trichromacy



Original Color

67.3586, 68.4443, 48.6906

Protanomaly

65.5211, 68.6027, 49.3235

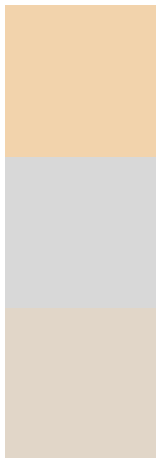
Deuteranomaly

68.8101, 68.0853, 49.0503

Tritanomaly

71.0984, 68.5303, 65.9803

Monochromacy



Original Color

67.3586, 68.4443, 48.6906

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.5232, 68.2708, 64.3677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3586, 68.4443, 48.6906 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, 211, 172)` looks like.

```
.text, #text, p{  
    color:rgb(242, 211, 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(242, 211, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 211, 172) }
```

Border

The CSS property to change the border of an element to XYZ 67.3586, 68.4443, 48.6906 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, 211, 172) }
```


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

```
.border{ border-color:rgb(242, 211, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 211, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 211, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 211, 172);  
box-shadow:4px 4px 4px 4px rgb(242, 211,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3586, 68.4443, 48.6906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 211, 172) }
```

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

```
.background{ background-color: rgb(242,  
211, 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](#).

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