

Converting Colors

XYZ(65.3029, 67.4853, 48.8300)

Have a look what the booklet for
XYZ(65.3029, 67.4853, 48.8300)
contains.

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Color

**XYZ(65.3327, 67.4000,
48.5958)**

Conversions

Conversions Part 1

Format	Color
Hex	ECD3AC
RGB	236, 211, 172
RGB Percent	93%, 83%, 67%
CMY	0.0745, 0.1725, 0.3255
CMYK	0.00, 0.11, 0.27, 0.07
HSL	37°, 63%, 80%
HSV	37°, 27%, 93%
XYZ	65.3327, 67.4000, 48.5958
YIQ	214.0290, 27.4190, -6.8290

Conversions

Conversions Part 2

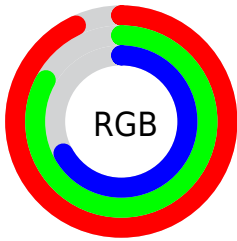
Format	Color
R_{YB}	213, 236, 172
Decimal	15520684
CIE _{Lab}	85.71, 2.88, 22.51
CIE _{LCh}	86, 22.696, 82.709
Yxy	67.4000, 0.3603, 0.3717
Android (android.graphics.Color)	4293710764 (0xFFECD3AC)
YUV	214.0290, -20.7203, 19.2686
Hunter-Lab	82.0975, -1.6214, 22.3728

Details

The XYZ color **65.3327, 67.4000, 48.5958** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.1193, 54.7576, 87.1793**, and the grayscale version is **64.0597, 67.3957, 73.3940**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **34.0375, 35.0537, 22.7414** is the 20% darker color. If you saturate the color by 10%, you get **61.0404, 62.1260, 36.9583**, and if you desaturate by 10%, it is **70.1624, 73.1038, 62.3997**.

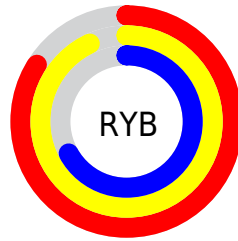
Distribution



Red (93%)

Green (83%)

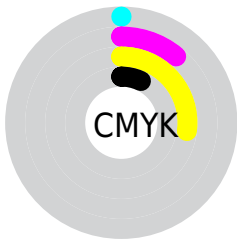
Blue (67%)



Red (84%)

Yellow (93%)

Blue (67%)

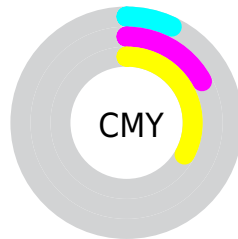


Cyan (0%)

Magenta (11%)

Yellow (27%)

Black (7%)



Cyan (7%)

Magenta (17%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3327, 67.4000, 48.5958 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 65.3327, 67.4000, 48.5958 by changing the saturation by 10% instead.

65.3327, 67.4000,
48.5958

65.3327, 67.4000,
48.5958

433.5129,
451.3672, 397.7255

47.9966, 49.4098,
33.9356

111.5911,
115.4934, 89.4656

34.0354, 34.9446,
22.5672

141.2441,
146.3653, 116.5123

23.0838, 23.6202,
14.0720

175.7335,
182.2999, 148.5249

14.7765, 15.0522,
8.0314

215.4245,
223.6817, 185.9219

8.7479, 8.8560,
4.0270

260.6826,
270.8949, 229.1220

4.6329, 4.6474,
1.6402

311.8732,

2.0661, 2.0419,

324.3239, 278.5436

0.3192

369.3615,
384.3532, 334.6052

■ 0.6707, 0.6316,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.3327, 67.4000,
48.5958

■ 65.3327, 67.4000,
48.5958

■ 61.0404, 62.1260,
36.9583

■ 70.1624, 73.1038,
62.3997

■ 57.2567, 57.2597,
27.3702

■ 75.5460, 79.2402,
78.4704

■ 53.9579, 52.7903,
19.7095

■ 81.5059, 85.8240,
96.9070

■ 51.1159, 48.7031,
13.8396

■ 86.1706, 92.1098,
107.8450

■ 48.6991, 44.9814,
9.6058

■ 88.4021, 96.5729,
108.5889

■ 46.6707, 41.6069,
6.8265

■ 44.9837, 38.5565,
5.2666

■ 44.5400, 37.7286,
4.9348

Harmonies

Analogous

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



70.2809, 67.4000, 52.9715



65.3327, 67.4000, 48.5958



60.2969, 67.4000, 50.1145

Triad

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



65.3327, 67.4000, 48.5958



55.3147, 67.4000, 84.9465



72.3078, 67.4000, 92.0405

Complementary

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



65.3327, 67.4000, 48.5958



52.1193, 54.7576, 87.1793

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.



67.9800, 67.4000, 102.9366



65.3327, 67.4000, 48.5958



58.2206, 67.4000, 98.4714

Square

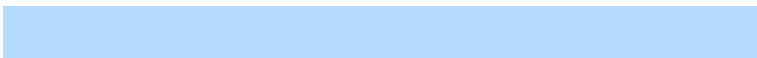
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.3327, 67.4000, 48.5958



54.6906, 67.4000, 69.8299



62.8072, 67.4000, 105.4358



74.4464, 67.4000, 77.0632

Rectangle

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



65.3327, 67.4000, 48.5958



57.5473, 67.4000, 54.3769



62.8072, 67.4000, 105.4358



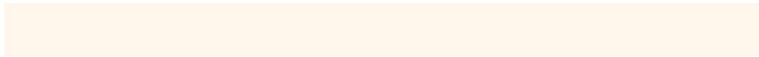
71.0500, 67.4000, 96.3801

Sweetspot

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



65.3345, 67.4031, 48.5972



89.4485, 93.7767, 91.6809



59.4920, 51.3974, 59.9703



18.9308, 19.8298, 18.9741



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.



65.3345, 67.4031, 48.5972



74.7338, 76.5093, 49.2820



69.9470, 79.7265, 50.7328



15.8295, 16.5820, 15.8851



24.6807, 21.0557, 2.7633



2.0311, 1.8395, 0.2480

Inverse Universe

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



52.1193, 54.7576, 87.1793



56.3369, 58.9110, 103.0094



48.3456, 45.0744, 85.5091



14.7137, 15.5138, 19.1412



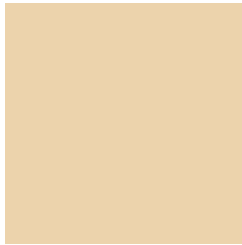
10.5803, 7.8076, 44.6923



0.9219, 0.7953, 3.5398

Previews

White Background



This preview shows how the XYZ color 65.3327, 67.4000, 48.5958 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 65.3327, 67.4000, 48.5958 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 65.3327, 67.4000, 48.5958

Background



This preview shows how black text looks on a background with the XYZ color 65.3327, 67.4000, 48.5958.



This preview shows how white text looks on a background with the XYZ color 65.3327, 67.4000,

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

65.3327, 67.4000, 48.5958

Protanopia

63.2679, 67.4412, 49.2180

Deuteranopia

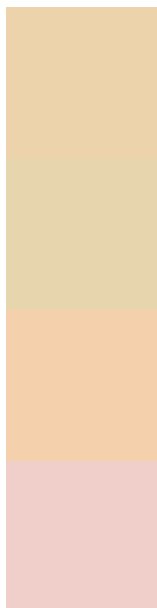
68.6811, 67.2995, 48.9054



Tritanopia

71.1291, 67.2303, 76.9380

Trichromacy



Original Color

65.3327, 67.4000, 48.5958

Protanomaly

63.9702, 67.4286, 49.1786

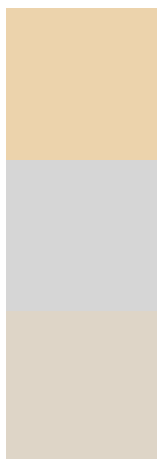
Deuteranomaly

67.4069, 67.3620, 48.9846

Tritanomaly

69.0275, 67.4627, 65.8834

Monochromacy



Original Color

65.3327, 67.4000, 48.5958

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.2273, 67.2416, 63.6266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3327, 67.4000, 48.5958 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(236, 211, 172)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 211, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 211, 172) }
```

Border

The CSS property to change the border of an element to XYZ 65.3327, 67.4000, 48.5958 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(236, 211, 172) }
```


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

```
.border{ border-color:rgb(236, 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(236, 211, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 211, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 211, 172);  
box-shadow:4px 4px 4px 4px rgb(236, 211,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3327, 67.4000, 48.5958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 211, 172) }
```

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

```
.background{ background-color: rgb(236,  
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](#).

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