

Converting Colors

XYZ(46.8834, 47.5593, 36.4868)

Have a look what the booklet for
XYZ(46.8834, 47.5593, 36.4868)
contains.

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Color

**XYZ(46.6894, 47.3446,
36.3834)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB398
RGB	204, 179, 152
RGB Percent	80%, 70%, 60%
CMY	0.2000, 0.2980, 0.4039
CMYK	0.00, 0.12, 0.25, 0.20
HSL	31°, 34%, 70%
HSV	31°, 25%, 80%
XYZ	46.6894, 47.3446, 36.3834
YIQ	183.3970, 23.5670, -3.0970

Conversions

Conversions Part 2

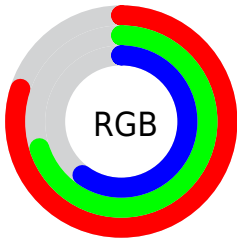
Format	Color
RYB	200, 204, 152
Decimal	13415320
CIELab	74.41, 4.82, 17.09
CIElCh	74, 17.759, 74.259
Yxy	47.3446, 0.3580, 0.3630
Android (android.graphics.Color)	4291605400 (0xFFCCB398)
YUV	183.3970, -15.4787, 18.0688
Hunter-Lab	68.8074, 0.7085, 16.8143

Details

The XYZ color **46.6894, 47.3446, 36.3834** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.5697, 42.4780, 63.2403**, and the grayscale version is **45.3021, 47.6614, 51.9032**.

A 20% lighter version of the original color is **82.0889, 85.1329, 70.4983**, and **22.2042, 22.2509, 15.4365** is the 20% darker color. If you saturate the color by 10%, you get **43.2646, 42.9426, 27.6956**, and if you desaturate by 10%, it is **50.5439, 52.1454, 46.6333**.

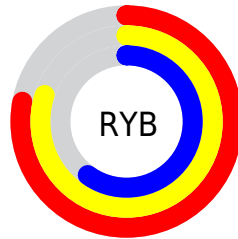
Distribution



Red (80%)

Green (70%)

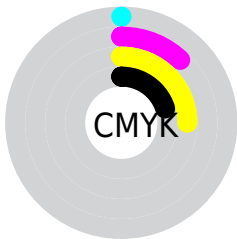
Blue (60%)



Red (78%)

Yellow (80%)

Blue (60%)

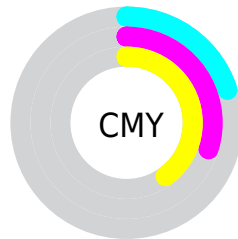


Cyan (0%)

Magenta (12%)

Yellow (25%)

Black (20%)



Cyan (20%)


Magenta (30%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6894, 47.3446, 36.3834 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 46.6894, 47.3446, 36.3834 by changing the saturation by 10% instead.


 46.6894, 47.3446,
36.3834


 46.6894, 47.3446,
36.3834


364.2430,
376.1884, 345.7212

 32.9971, 33.3082,
24.4384


 84.4714, 86.2278,
70.7991

 22.2834, 22.3626,
15.4440


 109.2918,
111.8433, 94.1069

 14.1831, 14.1236,
8.9815


138.5522,
142.0873, 122.0394

 8.3307, 8.2067,
4.6325

172.6181,
177.3442, 155.0152

 4.3608, 4.2275,
1.9783

211.8548,
217.9983, 193.4527

 1.9082, 1.8016,
0.5419

256.6276,

 0.5816, 0.4882,

264.4341, 237.7705

0.0000

307.3019,
317.0360, 288.3871

■ 0.0000, 0.0000,
0.0000

■ 46.6894, 47.3446,
36.3834

■ 46.6894, 47.3446,
36.3834

■ 43.2646, 42.9426,
27.6956

■ 50.5439, 52.1454,
46.6333

■ 40.2481, 38.9213,
20.4884

■ 54.8408, 57.3497,
58.5152

■ 37.6223, 35.2706,
14.6777

■ 59.5969, 62.9700,
72.0983

■ 35.3663, 31.9771,
10.1692

■ 64.8268, 69.0167,
87.4469

■ 33.4570, 29.0265,
6.8571

■ 70.5445, 75.4992,
104.6219

■ 31.8681, 26.4029,
4.6184

■ 73.4801, 81.1138,
106.3915

■ 30.5675, 24.0881,
3.3026

■ 76.4107, 86.9751,
107.3683

■ 30.0498, 23.1333,
2.8814

■ 78.7119, 91.5774,
108.1354

Harmonies

Analogous

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



49.5511, 47.3446, 40.2056



46.6894, 47.3446, 36.3834



43.5013, 47.3446, 36.2899

Triad

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



46.6894, 47.3446, 36.3834



39.2965, 47.3446, 56.0127



49.4312, 47.3446, 65.2268

Complementary

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



46.6894, 47.3446, 36.3834



39.5697, 42.4780, 63.2403

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.



46.5319, 47.3446, 70.5817



46.6894, 47.3446, 36.3834



40.7357, 47.3446, 64.8503

Square

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



46.6894, 47.3446, 36.3834



39.3342, 47.3446, 46.9164



43.3511, 47.3446, 70.4363



51.1845, 47.3446, 56.4795

Rectangle

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



46.6894, 47.3446, 36.3834



41.6245, 47.3446, 38.3160



43.3511, 47.3446, 70.4363



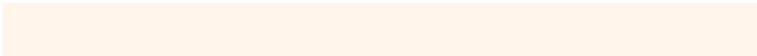
48.5524, 47.3446, 67.5269

Sweetspot

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



46.6906, 47.3468, 36.3844



88.8888, 92.6574, 91.4943



44.0795, 38.4740, 46.7681



18.7898, 19.5477, 18.9271



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.



46.6906, 47.3468, 36.3844



73.8849, 74.0194, 51.4414



51.9255, 58.1681, 38.1972



11.6862, 12.1613, 11.8109



19.0075, 14.7479, 1.8448



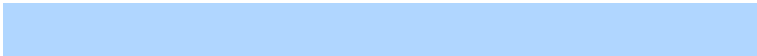
1.0563, 0.9124, 0.1204

Inverse Universe

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



39.5697, 42.4780, 63.2403



59.9766, 64.5110, 103.8985



35.2396, 33.5761, 61.7503



11.0392, 11.7189, 14.2505



9.7048, 8.4336, 37.0726



0.5765, 0.5868, 1.9378

Previews

White Background



This preview shows how the XYZ color 46.6894, 47.3446, 36.3834 looks on a white background.

Color Contrast Check

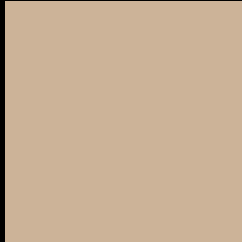
Large Text (above 18pt) WCAG AA × Fail

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 46.6894, 47.3446, 36.3834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

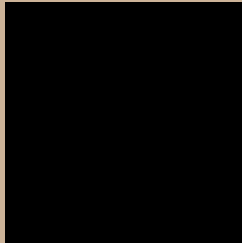
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6894, 47.3446, 36.3834

Background



This preview shows how black text looks on a background with the XYZ color 46.6894, 47.3446, 36.3834.



This preview shows how white text looks on a background with the XYZ color 46.6894, 47.3446,

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

46.6894, 47.3446, 36.3834

Protanopia

44.7585, 47.5375, 37.3885

Deuteranopia

48.4265, 47.3476, 36.7236



Tritanopia

50.2256, 47.3128, 54.0621

Trichromacy



Original Color

46.6894, 47.3446, 36.3834

Protanomaly

45.5037, 47.6261, 36.9315

Deuteranomaly

47.7664, 47.2995, 36.7491

Tritanomaly

48.9953, 47.4112, 47.1264

Monochromacy



Original Color

46.6894, 47.3446, 36.3834

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.6602, 47.5108, 45.7937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6894, 47.3446, 36.3834 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(204, 179, 152)` looks like.

```
.text, #text, p{  
    color:rgb(204, 179, 152)  
}
```

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(204, 179, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 179, 152) }
```

Border

The CSS property to change the border of an element to XYZ 46.6894, 47.3446, 36.3834 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(204, 179, 152) }
```


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

```
.border{ border-color:rgb(204, 179, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 179, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 179, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 179, 152);  
box-shadow:4px 4px 4px 4px rgb(204, 179,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6894, 47.3446, 36.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 179, 152) }
```

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

```
.background{ background-color: rgb(204,  
179, 152) }
```

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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