

Converting Colors

XYZ(48.4305, 51.9848, 33.3941)

Have a look what the booklet for
XYZ(48.4305, 51.9848, 33.3941)
contains.

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Color

**XYZ(48.4906, 52.0821,
33.4837)**

Conversions

Conversions Part 1

Format	Color
Hex	CCBF8F
RGB	204, 191, 143
RGB Percent	80%, 75%, 56%
CMY	0.2000, 0.2510, 0.4392
CMYK	0.00, 0.06, 0.30, 0.20
HSL	47°, 37%, 68%
HSV	47°, 30%, 80%
XYZ	48.4906, 52.0821, 33.4837
YIQ	189.4150, 23.1560, -12.1720

Conversions

Conversions Part 2

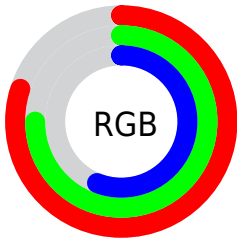
Format	Color
R_{YB}	160, 204, 143
Decimal	13418383
CIE _{Lab}	77.33, -2.76, 25.92
CIE _{LCh}	77, 26.064, 96.078
Yxy	52.0821, 0.3617, 0.3885
Android (android.graphics.Color)	4291608463 (0xFFCCBF8F)
YUV	189.4150, -22.8826, 12.7910
Hunter-Lab	72.1679, -6.3573, 23.0088

Details

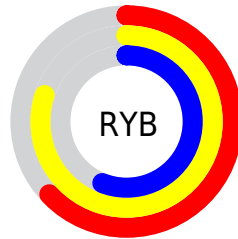
The XYZ color **48.4906, 52.0821, 33.4837** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.1151, 33.9754, 61.8869**, and the grayscale version is **48.7263, 51.2639, 55.8264**.

A 20% lighter version of the original color is **84.5788, 91.8127, 66.0872**, and **23.4147, 25.3392, 13.7821** is the 20% darker color. If you saturate the color by 10%, you get **46.1503, 49.6536, 25.7601**, and if you desaturate by 10%, it is **51.1428, 54.6840, 42.6989**.

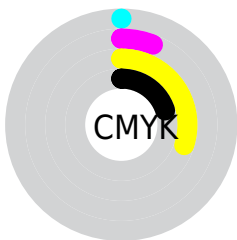
Distribution



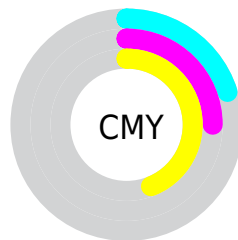
- Red (80%)
- Green (75%)
- Blue (56%)



- Red (63%)
- Yellow (80%)
- Blue (56%)



- Cyan (0%)
- Magenta (6%)
- Yellow (30%)
- Black (20%)





- Cyan (20%)
- Magenta (25%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4906, 52.0821, 33.4837 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 48.4906, 52.0821, 33.4837 by changing the saturation by 10% instead.


 48.4906, 52.0821,
33.4837

 48.4906, 52.0821,
33.4837


371.2838,
394.7535, 332.5223

 34.4284, 37.0705,
22.2231


 87.1397, 93.2523,
66.2547

 23.3874, 25.2621,
13.8210


 112.4573,
120.1797, 88.6021

 15.0021, 16.2724,
7.8590


142.2575,
151.8479, 115.4822

 8.9072, 9.7171,
3.9184

176.9056,
188.6412, 147.3136

 4.7373, 5.2118,
1.5807

216.7669,
230.9440, 184.5148

 2.1271, 2.3721,
0.2770

262.2068,

 0.7039, 0.8115,

279.1407, 227.5043

0.0000

313.5906,
333.6157, 276.7006

■ 0.0000, 0.0000,
0.0000

■ 48.4906, 52.0821,
33.4837

■ 48.4906, 52.0821,
33.4837

■ 46.1503, 49.6536,
25.7601

■ 51.1428, 54.6840,
42.6989

■ 44.1023, 47.3849,
19.4446

■ 54.1172, 57.4583,
53.4768

■ 42.3312, 45.2712,
14.4502

■ 57.4285, 60.4131,
65.8879

■ 40.8180, 43.3044,
10.6790

■ 61.0893, 63.5539,
79.9971

■ 39.5413, 41.4757,
8.0195

■ 65.1115, 66.8857,
95.8663

■ 38.4759, 39.7745,
6.3396

■ 67.7859, 69.7253,
104.4934

■ 37.5751, 38.1818,
5.3952

■ 68.9215, 71.9966,
104.8719

■ 37.5665, 38.1665,
5.3869

■ 70.0869, 74.3273,
105.2604

■ 71.2822, 76.7179,
105.6588

Harmonies

Analogous

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



53.5074, 52.0821, 35.0649



48.4906, 52.0821, 33.4837



44.0497, 52.0821, 37.2256

Triad

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



48.4906, 52.0821, 33.4837



42.1261, 52.0821, 74.5333



58.8290, 52.0821, 68.6322

Complementary

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



48.4906, 52.0821, 33.4837



34.1151, 33.9754, 61.8869

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.



55.3876, 52.0821, 82.0226



48.4906, 52.0821, 33.4837



45.7026, 52.0821, 85.8114

Square

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



48.4906, 52.0821, 33.4837



40.5379, 52.0821, 59.6768



50.5283, 52.0821, 88.7602



59.6999, 52.0821, 53.8404

Rectangle

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



48.4906, 52.0821, 33.4837



41.9398, 52.0821, 42.6787



50.5283, 52.0821, 88.7602



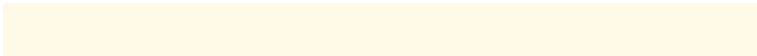
57.9236, 52.0821, 73.5184

Sweetspot

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



48.4919, 52.0845, 33.4848



90.0326, 95.5290, 90.0749



40.7439, 34.8906, 36.1365



19.1065, 20.2975, 18.6741



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.



48.4919, 52.0845, 33.4848



77.7040, 83.5819, 46.7818



46.9755, 55.6984, 34.2623



11.9431, 12.6752, 11.8965



23.7145, 24.1620, 3.4138



1.2754, 1.3505, 0.1935

Inverse Universe

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



34.1151, 33.9754, 61.8869



50.0787, 48.7947, 101.3866



35.2760, 31.5081, 61.3495



10.7923, 11.2249, 14.1682



7.4703, 3.9645, 36.3278



0.4423, 0.3185, 1.8931

Previews

White Background



This preview shows how the XYZ color 48.4906, 52.0821, 33.4837 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 48.4906, 52.0821, 33.4837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

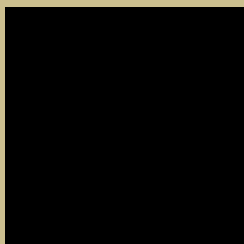
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

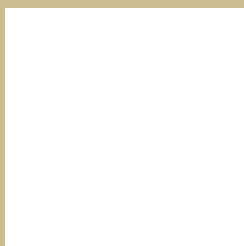
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4906, 52.0821, 33.4837

Background



This preview shows how black text looks on a background with the XYZ color 48.4906, 52.0821, 33.4837.

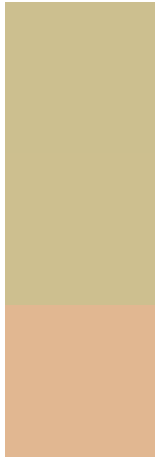


This preview shows how white text looks on a background with the XYZ color 48.4906, 52.0821,

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

48.4906, 52.0821, 33.4837

Protanopia

48.7656, 52.2239, 33.4966

Deuteranopia

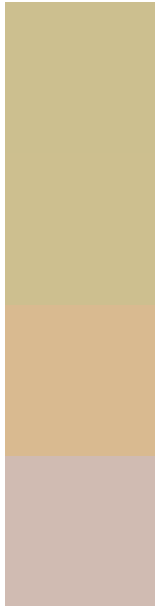
53.0957, 51.9189, 34.0110



Tritanopia

54.1975, 52.2071, 60.6465

Trichromacy



Original Color

48.4906, 52.0821, 33.4837

Protanomaly

48.7656, 52.2239, 33.4966

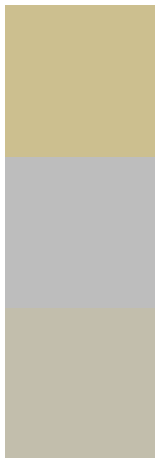
Deuteranomaly

51.2082, 51.8831, 33.7010

Tritanomaly

51.8186, 52.1649, 49.4572

Monochromacy



Original Color

48.4906, 52.0821, 33.4837

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.1080, 51.2748, 46.3912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4906, 52.0821, 33.4837 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, 191, 143)` looks like.

```
.text, #text, p{  
    color:rgb(204, 191, 143)  
}
```

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, 191, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 191, 143) }
```

Border

The CSS property to change the border of an element to XYZ 48.4906, 52.0821, 33.4837 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, 191, 143) }
```


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

```
.border{ border-color:rgb(204, 191, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 191, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 191, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 191, 143);  
box-shadow:4px 4px 4px 4px rgb(204, 191,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4906, 52.0821, 33.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 191, 143) }
```

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

```
.background{ background-color: rgb(204,  
191, 143) }
```

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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