

Converting Colors

XYZ(48.4669, 51.6933, 35.8571)

Have a look what the booklet for
XYZ(48.4669, 51.6933, 35.8571)
contains.

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Color

**XYZ(48.4669, 51.6933,
35.8571)**

Conversions

Conversions Part 1

Format	Color
Hex	CBBE95
RGB	203, 190, 149
RGB Percent	80%, 75%, 58%
CMY	0.2039, 0.2549, 0.4157
CMYK	0.00, 0.06, 0.27, 0.20
HSL	46°, 34%, 69%
HSV	46°, 27%, 80%
XYZ	48.4669, 51.6933, 35.8571
YIQ	189.2130, 20.9090, -9.9950

Conversions

Conversions Part 2

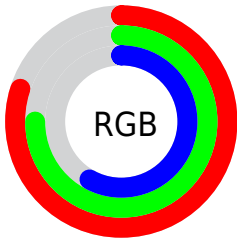
Format	Color
R _Y B	166, 203, 149
Decimal	13352597
CIE Lab	77.10, -1.82, 22.40
CIE LCh	77, 22.473, 94.649
Yxy	51.6933, 0.3563, 0.3800
Android (android.graphics.Color)	4291542677 (0xFFCBBE95)
YUV	189.2130, -19.8250, 12.0912
Hunter-Lab	71.8981, -5.4937, 20.7594

Details

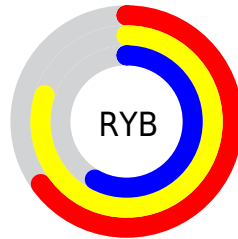
The XYZ color **48.4669, 51.6933, 35.8571** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.0941, 36.5412, 61.6511**, and the grayscale version is **48.5944, 51.1250, 55.6752**.

A 20% lighter version of the original color is **84.9753, 91.4833, 69.6793**, and **23.3630, 25.0691, 15.1627** is the 20% darker color. If you saturate the color by 10%, you get **45.9454, 49.0216, 27.7056**, and if you desaturate by 10%, it is **51.3091, 54.5537, 45.5104**.

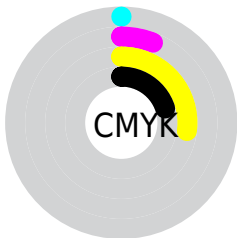
Distribution



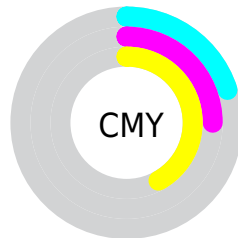
- Red (80%)
- Green (75%)
- Blue (58%)



- Red (65%)
- Yellow (80%)
- Blue (58%)



- Cyan (0%)
- Magenta (6%)
- Yellow (27%)
- Black (20%)



- Cyan (20%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4669, 51.6933, 35.8571 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 48.4669, 51.6933, 35.8571 by changing the saturation by 10% instead.

■ 48.4669, 51.6933,
35.8571

■ 48.4669, 51.6933,
35.8571

371.1917,
393.2514, 343.3540

■ 34.4096, 36.7607,
24.0350

■ 87.1047, 92.6788,
69.9780

■ 23.3728, 25.0222,
15.1472

■ 112.4158,
119.5004, 93.1139

■ 14.9912, 16.0936,
8.7750

142.2089,
151.0538, 120.8582

■ 8.8995, 9.5904,
4.4999

176.8494,
187.7234, 153.6294

■ 4.7323, 5.1283,
1.9034

216.7025,
229.8935, 191.8460

■ 2.1242, 2.3227,
0.4949

262.1337,

■ 0.7023, 0.7857,

277.9487, 235.9267

0.0000

313.5083,
332.2732, 286.2898

■ 0.0000, 0.0000,
0.0000

■ 48.4669, 51.6933,
35.8571

■ 48.4669, 51.6933,
35.8571

■ 45.9454, 49.0216,
27.7056

■ 51.3091, 54.5537,
45.5104

■ 43.7255, 46.5249,
20.9753

■ 54.4820, 57.6018,
56.7341

■ 41.7923, 44.1986,
15.5831

■ 57.9998, 60.8457,
69.5962

■ 40.1278, 42.0349,
11.4357

■ 61.8750, 64.2909,
84.1599

■ 38.7116, 40.0250,
8.4279

■ 66.1191, 67.9426,
100.4851

■ 37.5200, 38.1589,
6.4370

■ 68.0933, 70.7457,
104.6741

■ 36.5226, 36.4238,
5.3037

■ 69.3891, 73.3373,
105.1061

■ 36.2084, 35.8559,
5.0125

■ 70.7227, 76.0044,
105.5506

■ 72.0943, 78.7476,
106.0078

Harmonies

Analogous

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



52.7528, 51.6933, 37.5098



48.4669, 51.6933, 35.8571



44.5875, 51.6933, 38.9908

Triad

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



48.4669, 51.6933, 35.8571



42.6502, 51.6933, 70.8247



56.9767, 51.6933, 67.0264

Complementary

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



48.4669, 51.6933, 35.8571



36.0941, 36.5412, 61.6511

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.



53.9772, 51.6933, 78.0596



48.4669, 51.6933, 35.8571



45.6826, 51.6933, 80.4669

Square

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



48.4669, 51.6933, 35.8571



41.3560, 51.6933, 58.2232



49.8050, 51.6933, 83.2897



57.8284, 51.6933, 54.3907

Rectangle

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



48.4669, 51.6933, 35.8571



42.7030, 51.6933, 43.6849



49.8050, 51.6933, 83.2897



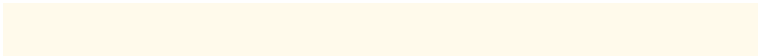
56.1780, 51.6933, 71.1016

Sweetspot

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



48.4682, 51.6956, 35.8582



90.3914, 95.6625, 91.9952



41.9427, 36.8185, 39.3126



19.1691, 20.3063, 19.0535



0.0000, 0.0000, 0.0000



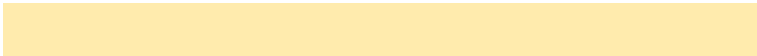
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.4682, 51.6956, 35.8582



78.6336, 83.9167, 51.7915



47.8917, 55.7651, 36.6741



11.9162, 12.6213, 11.8875



23.1165, 22.9659, 3.2145



1.2490, 1.2978, 0.1847

Inverse Universe

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



36.0941, 36.5412, 61.6511



54.4506, 54.3067, 102.2201



36.5296, 33.5413, 61.0490



10.8173, 11.2751, 14.1766



7.6151, 4.2542, 36.3761



0.4538, 0.3414, 1.8969

Previews

White Background



This preview shows how the XYZ color 48.4669, 51.6933, 35.8571 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 48.4669, 51.6933, 35.8571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

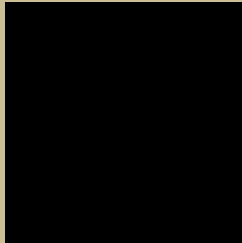
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4669, 51.6933, 35.8571

Background



This preview shows how black text looks on a background with the XYZ color 48.4669, 51.6933, 35.8571.



This preview shows how white text looks on a background with the XYZ color 48.4669, 51.6933,

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

48.4669, 51.6933, 35.8571

Protanopia

48.4669, 51.6933, 35.8571

Deuteranopia

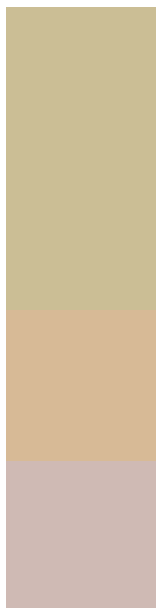
52.5627, 51.5986, 36.0433



Tritanopia

53.4210, 51.4995, 60.5509

Trichromacy



Original Color

48.4669, 51.6933, 35.8571

Protanomaly

48.4669, 51.6933, 35.8571

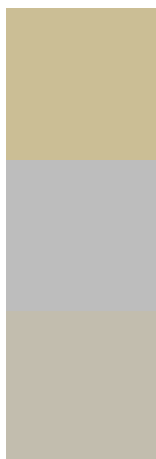
Deuteranomaly

51.0883, 51.7669, 36.1535

Tritanomaly

51.5293, 51.6785, 50.4391

Monochromacy



Original Color

48.4669, 51.6933, 35.8571

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.0857, 50.9205, 47.3387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4669, 51.6933, 35.8571 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(203, 190, 149)` looks like.

```
.text, #text, p{  
    color:rgb(203, 190, 149)  
}
```

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(203, 190, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 190, 149) }
```

Border

The CSS property to change the border of an element to XYZ 48.4669, 51.6933, 35.8571 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(203, 190, 149) }
```


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

```
.border{ border-color:rgb(203, 190, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 190, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 190, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 190, 149);  
box-shadow:4px 4px 4px 4px rgb(203, 190,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4669, 51.6933, 35.8571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 190, 149) }
```

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

```
.background{ background-color: rgb(203,  
190, 149) }
```

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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