

Converting Colors

XYZ(48.9551, 47.6939, 33.4137)

Have a look what the booklet for
XYZ(48.9551, 47.6939, 33.4137)
contains.

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Color

**XYZ(48.9551, 47.6939,
33.4137)**

Conversions

Conversions Part 1

Format	Color
Hex	D8B091
RGB	216, 176, 145
RGB Percent	85%, 69%, 57%
CMY	0.1529, 0.3098, 0.4314
CMYK	0.00, 0.19, 0.33, 0.15
HSL	26°, 48%, 71%
HSV	26°, 33%, 85%
XYZ	48.9551, 47.6939, 33.4137
YIQ	184.4260, 33.7910, -1.1610

Conversions

Conversions Part 2

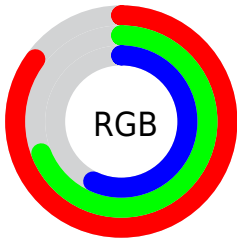
Format	Color
R _Y B	216, 200, 145
Decimal	14200977
CIE Lab	74.63, 10.14, 21.36
CIE LCh	75, 23.645, 64.598
Yxy	47.6939, 0.3764, 0.3667
Android (android.graphics.Color)	4292391057 (0xFFD8B091)
YUV	184.4260, -19.4370, 27.6904
Hunter-Lab	69.0608, 5.6769, 19.6562

Details

The XYZ color **48.9551, 47.6939, 33.4137** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.4203, 45.6742, 71.5989**, and the grayscale version is **45.8877, 48.2775, 52.5742**.

A 20% lighter version of the original color is **80.4054, 83.0967, 65.8343**, and **23.6005, 22.4477, 13.6786** is the 20% darker color. If you saturate the color by 10%, you get **45.1658, 42.5320, 24.6999**, and if you desaturate by 10%, it is **53.2775, 53.4147, 43.8684**.

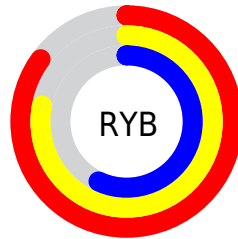
Distribution



Red (85%)

Green (69%)

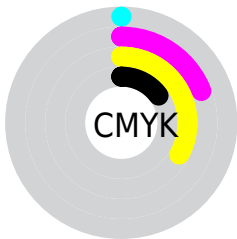
Blue (57%)



Red (85%)

Yellow (78%)

Blue (57%)

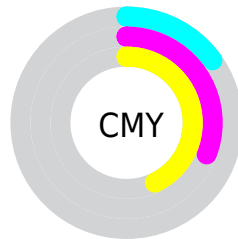


Cyan (0%)

Magenta (19%)

Yellow (33%)

Black (15%)



Cyan (15%)


Magenta (31%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9551, 47.6939, 33.4137 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 48.9551, 47.6939, 33.4137 by changing the saturation by 10% instead.


 48.9551, 47.6939,
33.4137


 48.9551, 47.6939,
33.4137


373.0854,
377.5775, 332.1988

 34.7983, 33.5845,
22.1698

 87.8259, 86.7485,
66.1443

 23.6733, 22.5746,
13.7822


 113.2705,
112.4625, 88.4682

 15.2149, 14.2797,
7.8324


143.2085,
142.8135, 115.3224

 9.0576, 8.3155,
3.9016

178.0051,
178.1859, 147.1256

 4.8362, 4.2975,
1.5715

218.0258,
218.9641, 184.2963

 2.1852, 1.8413,
0.2704

263.6358,

 0.7349, 0.5127,

265.5326, 227.2531

0.0000

315.2006,
318.2756, 276.4144

■ 0.0000, 0.0000,
0.0000

■ 48.9551, 47.6939,
33.4137

■ 48.9551, 47.6939,
33.4137

■ 45.1658, 42.5320,
24.6999

■ 53.2775, 53.4147,
43.8684

■ 41.8822, 37.9038,
17.6275

■ 58.1511, 59.7051,
56.1503

■ 39.0799, 33.7922,
12.0913

■ 63.5979, 66.5838,
70.3433

■ 36.7308, 30.1759,
7.9723

■ 69.6374, 74.0667,
86.5251

■ 34.8027, 27.0321,
5.1338

■ 76.2879, 82.1690,
104.7693

■ 33.2583, 24.3349,
3.4113

■ 80.2483, 89.5775,
107.6684

■ 32.3505, 22.6620,
2.6691

■ 82.1290, 93.3390,
108.2953

Harmonies

Analogous

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



52.4506, 47.6939, 39.6620



48.9551, 47.6939, 33.4137



44.6750, 47.6939, 31.7983

Triad

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



48.9551, 47.6939, 33.4137



37.6118, 47.6939, 53.8434



50.1680, 47.6939, 73.8532

Complementary

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



48.9551, 47.6939, 33.4137



41.4203, 45.6742, 71.5989

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.



45.9947, 47.6939, 79.1513



48.9551, 47.6939, 33.4137



38.8879, 47.6939, 66.4994

Square

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



48.9551, 47.6939, 33.4137



38.2952, 47.6939, 42.4602



41.8915, 47.6939, 76.2690



53.1812, 47.6939, 62.7137

Rectangle

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



48.9551, 47.6939, 33.4137



41.9909, 47.6939, 33.3096



41.8915, 47.6939, 76.2690



48.8450, 47.6939, 76.4498

Sweetspot

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



48.9563, 47.6961, 33.4147



86.8003, 89.6400, 87.2227



47.2263, 38.3629, 50.9443



18.3455, 18.8902, 18.0669



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.



48.9563, 47.6961, 33.4147



67.6210, 64.4818, 40.1353



56.7906, 63.3647, 36.0261



12.8649, 13.3041, 13.0506



19.2514, 13.6201, 1.6143



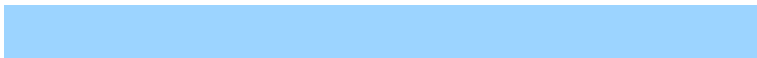
1.2427, 0.9846, 0.1245

Inverse Universe

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



41.4203, 45.6742, 71.5989



55.1100, 61.1164, 103.4998



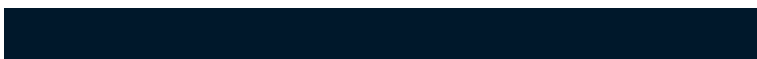
34.9361, 32.7059, 69.4375



12.3172, 13.1578, 15.8280



11.5415, 11.3447, 40.0346



0.7779, 0.8477, 2.4419

Previews

White Background



This preview shows how the XYZ color 48.9551, 47.6939, 33.4137 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 48.9551, 47.6939, 33.4137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

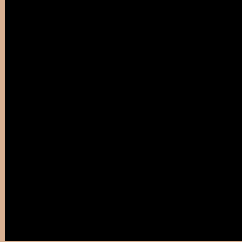
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9551, 47.6939, 33.4137

Background



This preview shows how black text looks on a background with the XYZ color 48.9551, 47.6939, 33.4137.



This preview shows how white text looks on a background with the XYZ color 48.9551, 47.6939,

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

48.9551, 47.6939, 33.4137

Protanopia

44.8640, 47.6390, 35.2644

Deuteranopia

48.8573, 47.9357, 33.4655



Tritanopia

52.7298, 47.8022, 51.7950

Trichromacy



Original Color

48.9551, 47.6939, 33.4137

Protanomaly

46.2952, 47.4771, 34.7410

Deuteranomaly

48.8573, 47.9357, 33.4655

Tritanomaly

51.4127, 47.8495, 44.5563

Monochromacy



Original Color

48.9551, 47.6939, 33.4137

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.5445, 47.6858, 44.7813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9551, 47.6939, 33.4137 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(216, 176, 145)` looks like.

```
.text, #text, p{  
    color:rgb(216, 176, 145)  
}
```

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(216, 176, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 176, 145) }
```

Border

The CSS property to change the border of an element to XYZ 48.9551, 47.6939, 33.4137 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(216, 176, 145) }
```


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

```
.border{ border-color:rgb(216, 176, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 176, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 176, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 176, 145);  
box-shadow:4px 4px 4px 4px rgb(216, 176,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9551, 47.6939, 33.4137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 176, 145) }
```

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

```
.background{ background-color: rgb(216,  
176, 145) }
```

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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