

Converting Colors

XYZ(48.9965, 49.6592, 33.9572)

Have a look what the booklet for
XYZ(48.9965, 49.6592, 33.9572)
contains.

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Color

**XYZ(49.1957, 49.9084,
33.8284)**

Conversions

Conversions Part 1

Format	Color
Hex	D4B791
RGB	212, 183, 145
RGB Percent	83%, 72%, 57%
CMY	0.1686, 0.2823, 0.4314
CMYK	0.00, 0.14, 0.32, 0.17
HSL	34°, 44%, 70%
HSV	34°, 32%, 83%
XYZ	49.1957, 49.9084, 33.8284
YIQ	187.3390, 29.4820, -5.6700

Conversions

Conversions Part 2

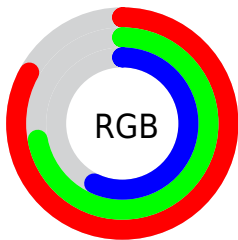
Format	Color
R _Y B	196, 212, 145
Decimal	13940625
CIE Lab	76.01, 4.84, 23.19
CIE LCh	76, 23.686, 78.200
Yxy	49.9084, 0.3701, 0.3754
Android (android.graphics.Color)	4292130705 (0xFFD4B791)
YUV	187.3390, -20.8731, 21.6277
Hunter-Lab	70.6459, 0.6718, 21.0614

Details

The XYZ color **49.1957, 49.9084, 33.8284** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.6963, 41.0439, 68.1702**, and the grayscale version is **47.5292, 50.0044, 54.4548**.

A 20% lighter version of the original color is **82.4153, 87.1165, 66.5042**, and **23.7133, 23.8413, 13.9417** is the 20% darker color. If you saturate the color by 10%, you get **45.8804, 45.6541, 25.3970**, and if you desaturate by 10%, it is **52.9421, 54.5361, 43.9095**.

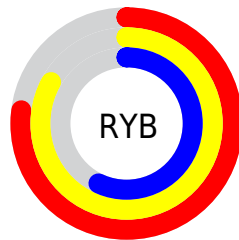
Distribution



Red (83%)

Green (72%)

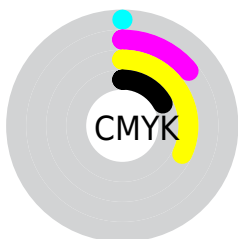
Blue (57%)



Red (77%)

Yellow (83%)

Blue (57%)

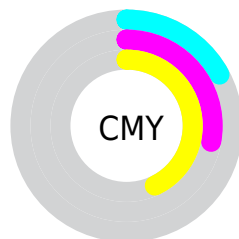


Cyan (0%)

Magenta (14%)

Yellow (32%)

Black (17%)



Cyan (17%)


Magenta (28%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1957, 49.9084, 33.8284 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 49.1957, 49.9084, 33.8284 by changing the saturation by 10% instead.


 49.1957, 49.9084,
33.8284


 49.1957, 49.9084,
33.8284


374.0164,
386.3076, 334.1120

 34.9899, 35.3406,
22.4855


 88.1810, 90.0391,
66.7976

 23.8216, 23.9254,
14.0124

 113.6913,
116.3709, 89.2609

 15.3253, 15.2783,
7.9904


143.7004,
147.3928, 116.2682

 9.1358, 9.0149,
4.0011

178.5737,
183.4891, 148.2379

 4.8877, 4.7509,
1.6260

218.6766,
225.0444, 185.5886

 2.2156, 2.1019,
0.3092

264.3745,

 0.7509, 0.6657,

272.4430, 228.7388

0.0000

316.0326,
326.0693, 278.1071

■ 0.0000, 0.0000,
0.0000

■ 49.1957, 49.9084,
33.8284

■ 49.1957, 49.9084,
33.8284

■ 45.8804, 45.6541,
25.3970

■ 52.9421, 54.5361,
43.9095

■ 42.9729, 41.7548,
18.5219

■ 57.1335, 59.5410,
55.7207

■ 40.4534, 38.2006,
13.1051


■ 61.7882, 64.9358,
69.3405


■ 38.2987, 34.9780,
9.0358


■ 66.9220, 70.7302,
84.8420

■ 36.4822, 32.0726,
6.1874


■ 72.5499, 76.9336,
102.2939

 34.9727, 29.4675,
4.4083

 75.7914, 82.3971,
106.5173

 33.8985, 27.4912,
3.5197

 78.5318, 87.8779,
107.4308

 80.9614, 92.7371,
108.2407

Harmonies

Analogous

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



53.3297, 49.9084, 38.1413



49.1957, 49.9084, 33.8284



44.8311, 49.9084, 34.3438

Triad

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



49.1957, 49.9084, 33.8284



39.8121, 49.9084, 62.3042



54.0584, 49.9084, 72.2332

Complementary

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



49.1957, 49.9084, 33.8284



38.6963, 41.0439, 68.1702

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.



50.1408, 49.9084, 80.8988



49.1957, 49.9084, 33.8284



41.9942, 49.9084, 74.5814

Square

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



49.1957, 49.9084, 33.8284



39.5940, 49.9084, 49.5148



45.7196, 49.9084, 81.8193



56.2515, 49.9084, 59.4726

Rectangle

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



49.1957, 49.9084, 33.8284



42.3723, 49.9084, 37.3704



45.7196, 49.9084, 81.8193



52.8887, 49.9084, 75.8016

Sweetspot

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



49.1970, 49.9107, 33.8294



88.4856, 92.4351, 89.5592



44.9204, 37.3056, 44.8950



18.7243, 19.5331, 18.5467



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.



49.1970, 49.9107, 33.8294



71.2308, 71.3534, 42.4112



54.5359, 62.4738, 35.9730



13.0020, 13.5782, 13.0963



21.0285, 17.1743, 2.2066



1.3499, 1.1990, 0.1603

Inverse Universe

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



38.6963, 41.0439, 68.1702



52.8326, 55.8239, 102.5983



34.4893, 31.4384, 66.5379



12.1802, 12.8838, 15.7824



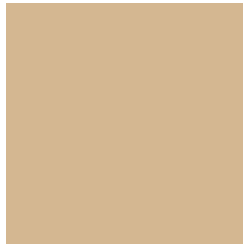
9.7810, 7.8238, 39.4478



0.6713, 0.6347, 2.4064

Previews

White Background



This preview shows how the XYZ color 49.1957, 49.9084, 33.8284 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 49.1957, 49.9084, 33.8284 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 49.1957, 49.9084, 33.8284

Background



This preview shows how black text looks on a background with the XYZ color 49.1957, 49.9084, 33.8284.



This preview shows how white text looks on a background with the XYZ color 49.1957, 49.9084,

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

49.1957, 49.9084, 33.8284

Protanopia

46.8562, 49.9266, 34.7710

Deuteranopia

51.0248, 49.9335, 34.1430



Tritanopia

53.7414, 49.9576, 56.1005

Trichromacy



Original Color

49.1957, 49.9084, 33.8284

Protanomaly

47.6491, 50.0305, 34.3396

Deuteranomaly

50.3275, 49.8748, 34.1684

Tritanomaly

51.7844, 49.7433, 46.9165

Monochromacy



Original Color

49.1957, 49.9084, 33.8284

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.7702, 49.8321, 46.1305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1957, 49.9084, 33.8284 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(212, 183, 145)` looks like.

```
.text, #text, p{  
    color:rgb(212, 183, 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(212, 183, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 183, 145) }
```

Border

The CSS property to change the border of an element to XYZ 49.1957, 49.9084, 33.8284 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(212, 183, 145) }
```


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

```
.border{ border-color:rgb(212, 183, 145) }
```

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

Here you see how a box with a 4 pixel rgb(212, 183, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 183, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 183, 145);  
box-shadow:4px 4px 4px 4px rgb(212, 183,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1957, 49.9084, 33.8284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 183, 145) }
```

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

```
.background{ background-color: rgb(212,  
183, 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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