

Converting Colors

XYZ(49.1603, 49.8155, 36.8213)

Have a look what the booklet for
XYZ(49.1603, 49.8155, 36.8213)
contains.

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Color

**XYZ(49.1793, 49.8356,
36.7330)**

Conversions

Conversions Part 1

Format	Color
Hex	D2B798
RGB	210, 183, 152
RGB Percent	82%, 72%, 60%
CMY	0.1765, 0.2823, 0.4039
CMYK	0.00, 0.13, 0.28, 0.18
HSL	32°, 39%, 71%
HSV	32°, 28%, 82%
XYZ	49.1793, 49.8356, 36.7330
YIQ	187.5390, 26.0430, -3.9170

Conversions

Conversions Part 2

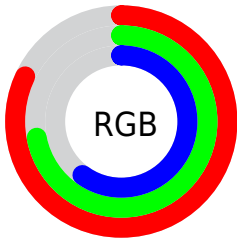
Format	Color
R _Y B	203, 210, 152
Decimal	13809560
CIE Lab	75.97, 4.99, 19.34
CIE LCh	76, 19.971, 75.525
Yxy	49.8356, 0.3623, 0.3671
Android (android.graphics.Color)	4291999640 (0xFFD2B798)
YUV	187.5390, -17.5207, 19.6983
Hunter-Lab	70.5943, 0.8113, 18.5651

Details

The XYZ color **49.1793, 49.8356, 36.7330** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.7015, 43.5675, 67.2370**, and the grayscale version is **47.6254, 50.1057, 54.5651**.

A 20% lighter version of the original color is **83.2471, 87.4492, 70.8843**, and **23.8492, 23.8734, 15.6630** is the 20% darker color. If you saturate the color by 10%, you get **45.6631, 45.3162, 27.8135**, and if you desaturate by 10%, it is **53.1426, 54.7614, 47.3051**.

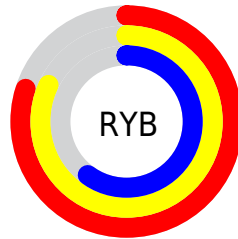
Distribution



Red (82%)

Green (72%)

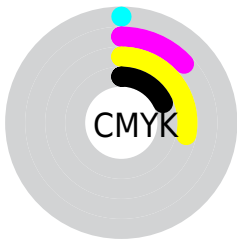
Blue (60%)



Red (80%)

Yellow (82%)

Blue (60%)

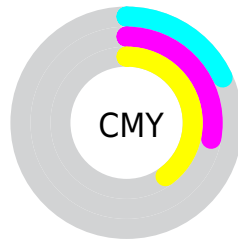


Cyan (0%)

Magenta (13%)

Yellow (28%)

Black (18%)



Cyan (18%)


Magenta (28%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1793, 49.8356, 36.7330 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 49.1793, 49.8356, 36.7330 by changing the saturation by 10% instead.


 49.1793, 49.8356,
36.7330


 49.1793, 49.8356,
36.7330


373.9530,
386.0227, 347.2869

 34.9769, 35.2828,
24.7067


 88.1568, 89.9312,
71.3437

 23.8115, 23.8808,
15.6416


 113.6626,
116.2429, 94.7651

 15.3178, 15.2452,
9.1193


143.6669,
147.2429, 122.8220

 9.1305, 8.9917,
4.7212

178.5350,
183.3157, 155.9328

 4.8842, 4.7357,
2.0288

218.6323,
224.8457, 194.5162

 2.2135, 2.0931,
0.5729

264.3242,

 0.7499, 0.6607,

272.2172, 238.9907

0.0000

315.9760,
325.8148, 289.7747

■ 0.0000, 0.0000,
0.0000

■ 49.1793, 49.8356,
36.7330

■ 49.1793, 49.8356,
36.7330

■ 45.6631, 45.3162,
27.8135

■ 53.1426, 54.7614,
47.3051

■ 42.5714, 41.1844,
20.4579

■ 57.5669, 60.0982,
59.6059

■ 39.8849, 37.4295,
14.5740

■ 62.4699, 65.8592,
73.7107

■ 37.5812, 34.0378,
10.0583

■ 67.8674, 72.0548,
89.6891

■ 35.6351, 30.9942,
6.7938

■ 73.4503, 78.5654,
105.9011

■ 34.0177, 28.2819,
4.6434

■ 76.2767, 84.2183,
106.8433

■ 32.6894, 25.8798,
3.4160

■ 79.2585, 90.1819,
107.8372

■ 32.4010, 25.3469,
3.1847

■ 80.3884, 92.4417,
108.2138

Harmonies

Analogous

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



52.5619, 49.8356, 40.9079



49.1793, 49.8356, 36.7330



45.4768, 49.8356, 36.8080

Triad

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



49.1793, 49.8356, 36.7330



40.7989, 49.8356, 59.9374



52.6615, 49.8356, 69.9315

Complementary

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



49.1793, 49.8356, 36.7330



40.7015, 43.5675, 67.2370

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.



49.3094, 49.8356, 76.5116



49.1793, 49.8356, 36.7330



42.5266, 49.8356, 70.2467

Square

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



49.1793, 49.8356, 36.7330



40.7681, 49.8356, 49.2973



45.6003, 49.8356, 76.6339



54.6426, 49.8356, 59.5503

Rectangle

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



49.1793, 49.8356, 36.7330



43.3280, 49.8356, 39.2280



45.6003, 49.8356, 76.6339



51.6500, 49.8356, 72.7179

Sweetspot

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



49.1806, 49.8379, 36.7340



88.9831, 92.8459, 91.5257



45.9504, 39.4161, 47.8699



18.8135, 19.5952, 18.9350



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.



49.1806, 49.8379, 36.7340



73.0895, 73.2209, 48.7340



54.7455, 61.7799, 38.7458



12.3245, 12.8397, 12.4408



19.8657, 15.6645, 1.9765



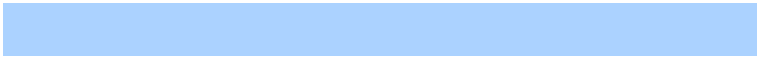
1.1898, 1.0339, 0.1369

Inverse Universe

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



40.7015, 43.5675, 67.2370



57.8627, 61.9626, 103.5180



36.1754, 33.9738, 65.6238



11.6107, 12.3117, 15.0081



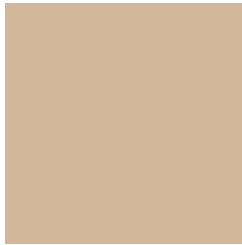
9.8440, 8.3346, 38.2824



0.6295, 0.6241, 2.1669

Previews

White Background



This preview shows how the XYZ color 49.1793, 49.8356, 36.7330 looks on a white background.

Color Contrast Check

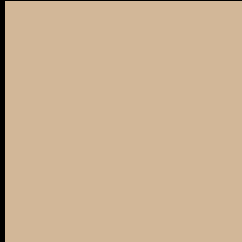
Large Text (above 18pt) WCAG AA × Fail

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 49.1793, 49.8356, 36.7330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

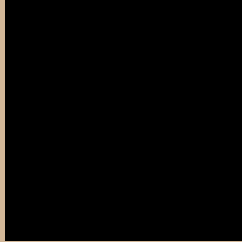
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1793, 49.8356, 36.7330

Background



This preview shows how black text looks on a background with the XYZ color 49.1793, 49.8356, 36.7330.



This preview shows how white text looks on a background with the XYZ color 49.1793, 49.8356,

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

49.1793, 49.8356, 36.7330

Protanopia

46.8918, 49.8795, 37.7281

Deuteranopia

50.9845, 49.8479, 37.0714



Tritanopia

53.3487, 50.0495, 56.1389

Trichromacy



Original Color

49.1793, 49.8356, 36.7330

Protanomaly

47.6658, 49.9743, 37.2707

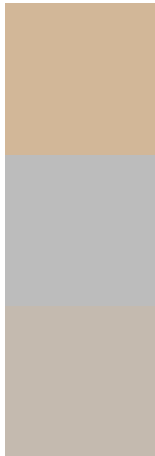
Deuteranomaly

50.2980, 49.7947, 37.0973

Tritanomaly

51.6976, 49.9630, 48.5140

Monochromacy



Original Color

49.1793, 49.8356, 36.7330

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.0617, 49.9487, 47.6654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1793, 49.8356, 36.7330 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(210, 183, 152) looks like.

```
.text, #text, p{  
    color:rgb(210, 183, 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(210, 183, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 183, 152) }
```

Border

The CSS property to change the border of an element to XYZ 49.1793, 49.8356, 36.7330 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(210, 183, 152) }
```


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

```
.border{ border-color:rgb(210, 183, 152) }
```

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

Here you see how a box with a 4 pixel rgb(210, 183, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 183, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 183, 152);  
box-shadow:4px 4px 4px 4px rgb(210, 183,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1793, 49.8356, 36.7330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 183, 152) }
```

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

```
.background{ background-color: rgb(210,  
183, 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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