

Converting Colors

XYZ(47.1878, 49.8034, 19.6963)

Have a look what the booklet for
XYZ(47.1878, 49.8034, 19.6963)
contains.

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Color

**XYZ(47.1878, 49.8034,
19.6963)**

Conversions

Conversions Part 1

Format	Color
Hex	D5B966
RGB	213, 185, 102
RGB Percent	84%, 73%, 40%
CMY	0.1647, 0.2745, 0.6000
CMYK	0.00, 0.13, 0.52, 0.16
HSL	45°, 57%, 62%
HSV	45°, 52%, 84%
XYZ	47.1878, 49.8034, 19.6963
YIQ	183.9100, 43.3310, -19.8770

Conversions

Conversions Part 2

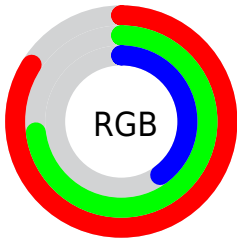
Format	Color
RYB	139, 213, 102
Decimal	14006630
CIELab	75.95, -0.42, 45.42
CIELCh	76, 45.423, 90.525
Yxy	49.8034, 0.4044, 0.4268
Android (android.graphics.Color)	4292196710 (0xFFD5B966)
YUV	183.9100, -40.3816, 25.5119
Hunter-Lab	70.5715, -4.1458, 32.8524

Details

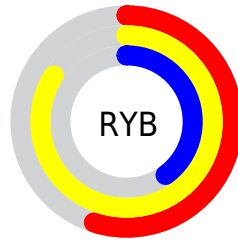
The XYZ color **47.1878, 49.8034, 19.6963** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.4720, 23.5932, 66.1619**, and the grayscale version is **45.7106, 48.0911, 52.3712**.

A 20% lighter version of the original color is **78.6117, 86.5372, 43.5704**, and **22.5814, 23.8184, 6.6561** is the 20% darker color. If you saturate the color by 10%, you get **45.1619, 47.2306, 14.4623**, and if you desaturate by 10%, it is **49.5299, 52.5744, 26.3756**.

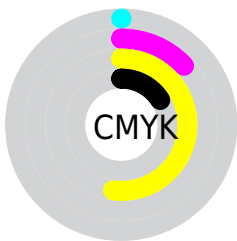
Distribution



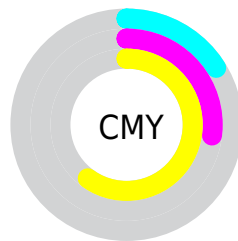
- Red (84%)
- Green (73%)
- Blue (40%)



- Red (55%)
- Yellow (84%)
- Blue (40%)



- Cyan (0%)
- Magenta (13%)
- Yellow (52%)
- Black (16%)



- Cyan (16%)
- Magenta (27%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1878, 49.8034, 19.6963 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 47.1878, 49.8034, 19.6963 by changing the saturation by 10% instead.

■ 47.1878, 49.8034,
19.6963

■ 47.1878, 49.8034,
19.6963

366.2001,
385.8966, 262.8159

■ 33.3927, 35.2572,
11.9926

■ 85.2109, 89.8835,
43.7597

■ 22.5881, 23.8611,
6.6162

■ 110.1697,
116.1862, 60.9564

■ 14.4087, 15.2306,
3.1484

■ 139.5803,
147.1766, 82.1546

■ 8.4891, 8.9814,
1.1709

■ 173.8083,
183.2390, 107.7728

■ 4.4639, 4.7290,
0.0000

213.2189,
224.7578, 138.2294

■ 1.9678, 2.0892,
0.0000

258.1775,

■ 0.6158, 0.6585,

272.1174, 173.9431

0.0000

309.0494,
325.7022, 215.3324

■ 0.0000, 0.0000,
0.0000

■ 47.1878, 49.8034,
19.6963

■ 47.1878, 49.8034,
19.6963

■ 45.1619, 47.2306,
14.4623

■ 49.5299, 52.5744,
26.3756

■ 43.4270, 44.8394,
10.5586

■ 52.2041, 55.5451,
34.5973

■ 41.9595, 42.6217,
7.8577

■ 55.2294, 58.7256,
44.4536

■ 40.7295, 40.5647,
6.2053

■ 58.6220, 62.1231,
56.0285

■ 39.8869, 39.0389,
5.4330

■ 62.3973, 65.7445,
69.4001

■ 66.5696, 69.5962,
84.6420

■ 71.1525, 73.6842,
101.8234

■ 73.2286, 76.8424,
105.5803

■ 74.7294, 79.8439,
106.0805

Harmonies

Analogous

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



55.8051, 49.8034, 22.9289



47.1878, 49.8034, 19.6963



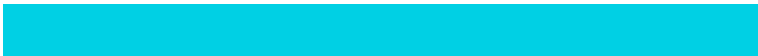
39.5420, 49.8034, 23.1701

Triad

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



47.1878, 49.8034, 19.6963



34.6553, 49.8034, 81.5143



62.9663, 49.8034, 80.5483

Complementary

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



47.1878, 49.8034, 19.6963



25.4720, 23.5932, 66.1619

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.



56.0936, 49.8034, 105.1048



47.1878, 49.8034, 19.6963



39.7714, 49.8034, 105.7695

Square

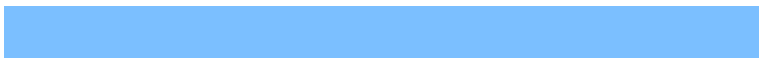
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.1878, 49.8034, 19.6963



32.8557, 49.8034, 54.6553



47.4858, 49.8034, 115.4669



65.5479, 49.8034, 53.8018

Rectangle

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



47.1878, 49.8034, 19.6963



35.8522, 49.8034, 29.6641



47.4858, 49.8034, 115.4669



61.0438, 49.8034, 89.5865

Sweetspot

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



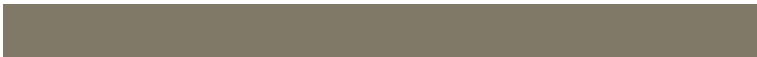
47.1890, 49.8058, 19.6973



85.9679, 91.2548, 76.8353



36.3297, 25.3043, 24.6565



18.1740, 19.3051, 15.6728



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.



47.1890, 49.8058, 19.6973



67.4453, 70.4128, 20.7085



46.7106, 59.1251, 21.5213



13.1953, 13.9649, 13.1607



24.4500, 24.0172, 3.3471



1.5388, 1.5768, 0.2233

Inverse Universe

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



25.4720, 23.5932, 66.1619



31.3474, 26.9089, 98.1495



25.6491, 18.8888, 65.2446



11.9946, 12.5126, 15.7205



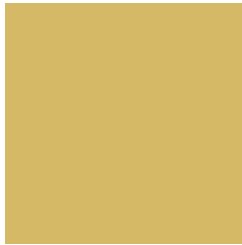
8.2035, 4.6688, 38.9219



0.5614, 0.4148, 2.3698

Previews

White Background



This preview shows how the XYZ color 47.1878, 49.8034, 19.6963 looks on a white background.

Color Contrast Check

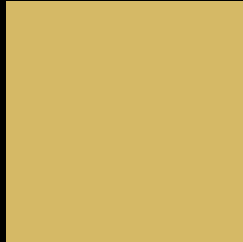
Large Text (above 18pt) WCAG AA × Fail

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 47.1878, 49.8034, 19.6963 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 47.1878, 49.8034, 19.6963

Background



This preview shows how black text looks on a background with the XYZ color 47.1878, 49.8034, 19.6963.

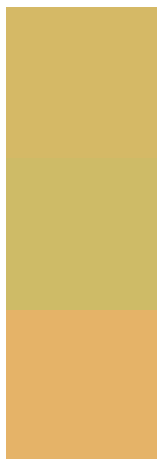


This preview shows how white text looks on a background with the XYZ color 47.1878, 49.8034,

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

47.1878, 49.8034, 19.6963

Protanopia

45.6721, 49.6417, 20.0066

Deuteranopia

50.9319, 49.8977, 20.0435



Tritanopia

54.3341, 49.7062, 54.8747

Trichromacy



Original Color

47.1878, 49.8034, 19.6963

Protanomaly

46.3016, 49.6524, 19.9755

Deuteranomaly

49.4035, 49.7150, 19.8241

Tritanomaly

51.1193, 49.5799, 38.7739

Monochromacy



Original Color

47.1878, 49.8034, 19.6963

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.4789, 48.2162, 37.4815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1878, 49.8034, 19.6963 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(213, 185, 102)` looks like.

```
.text, #text, p{  
    color:rgb(213, 185, 102)  
}
```

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(213, 185, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 185, 102) }
```

Border

The CSS property to change the border of an element to XYZ 47.1878, 49.8034, 19.6963 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(213, 185, 102) }
```


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

```
.border{ border-color:rgb(213, 185, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 185, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 185, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 185, 102);  
box-shadow:4px 4px 4px 4px rgb(213, 185,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1878, 49.8034, 19.6963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 185, 102) }
```

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

```
.background{ background-color: rgb(213,  
185, 102) }
```

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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