

Converting Colors

XYZ(48.6786, 48.6945, 38.3759)

Have a look what the booklet for
XYZ(48.6786, 48.6945, 38.3759)
contains.

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Color

**XYZ(48.6165, 48.5981,
38.2705)**

Conversions

Conversions Part 1

Format	Color
Hex	D1B49C
RGB	209, 180, 156
RGB Percent	82%, 71%, 61%
CMY	0.1804, 0.2941, 0.3882
CMYK	0.00, 0.14, 0.25, 0.18
HSL	27°, 37%, 72%
HSV	27°, 25%, 82%
XYZ	48.6165, 48.5981, 38.2705
YIQ	185.9350, 24.9880, -1.3160

Conversions

Conversions Part 2

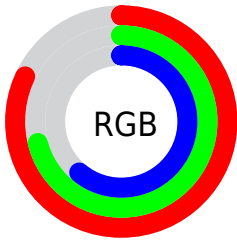
Format	Color
R _Y B	209, 200, 156
Decimal	13743260
CIE Lab	75.20, 6.76, 16.10
CIE LCh	75, 17.461, 67.210
Yxy	48.5981, 0.3588, 0.3587
Android (android.graphics.Color)	4291933340 (0xFFD1B49C)
YUV	185.9350, -14.7580, 20.2280
Hunter-Lab	69.7123, 2.4870, 16.2498

Details

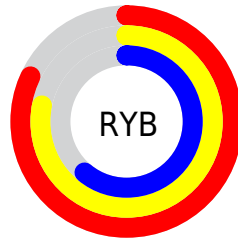
The XYZ color **48.6165, 48.5981, 38.2705** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **42.5675, 46.3681, 67.0282**, and the grayscale version is **46.7070, 49.1394, 53.5128**.

A 20% lighter version of the original color is **82.9933, 85.9541, 73.8446**, and **23.4656, 23.0687, 16.5805** is the 20% darker color. If you saturate the color by 10%, you get **44.7832, 43.5240, 28.9998**, and if you desaturate by 10%, it is **52.9474, 54.1793, 49.2105**.

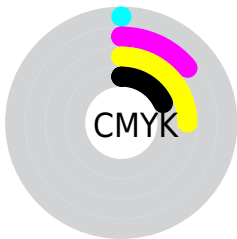
Distribution



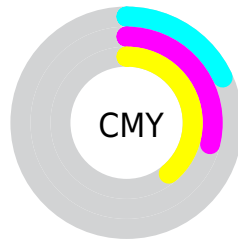
- Red (82%)
- Green (71%)
- Blue (61%)



- Red (82%)
- Yellow (78%)
- Blue (61%)



- Cyan (0%)
- Magenta (14%)
- Yellow (25%)
- Black (18%)





- Cyan (18%)
- Magenta (29%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6165, 48.5981, 38.2705 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 48.6165, 48.5981, 38.2705 by changing the saturation by 10% instead.


 48.6165, 48.5981,
38.2705


 48.6165, 48.5981,
38.2705


371.7727,
381.1580, 354.1118

 34.5286, 34.3008,
25.8892


 87.3258, 88.0943,
73.7306

 23.4648, 23.1248,
16.5158


 112.6779,
114.0619, 97.6465

 15.0597, 14.6857,
9.7316

142.5154,
144.6884, 126.2443

 8.9479, 8.5991,
5.1181

177.2038,
180.3581, 159.9427

 4.7640, 4.4806,
2.2568

217.1084,
221.4556, 199.1600

 2.1428, 1.9459,
0.7068

262.5945,

 0.7123, 0.5757,

268.3651, 244.3150

0.0000

314.0274,
321.4711, 295.8261

■ 0.0000, 0.0000,
0.0000

■ 48.6165, 48.5981,
38.2705

■ 48.6165, 48.5981,
38.2705

■ 44.7832, 43.5240,
28.9998

■ 52.9474, 54.1793,
49.2105

■ 41.4235, 38.9351,
21.3117

■ 57.7909, 60.2756,
61.8946

■ 38.5168, 34.8172,
15.1164

■ 63.1661, 66.9032,
76.3965

■ 36.0397, 31.1529,
10.3134

■ 69.0899, 74.0755,
92.7847

■ 33.9657, 27.9236,
6.7898

■ 74.6799, 81.4459,
106.3923

■ 32.2649, 25.1085,
4.4148

■ 78.1000, 88.2862,
107.5324

■ 30.9016, 22.6844,
3.0284

■ 80.1046, 92.2954,
108.2006

■ 30.3561, 21.6783,
2.5844

Harmonies

Analogous

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



51.2686, 48.5981, 42.9547



48.6165, 48.5981, 38.2705



45.4228, 48.5981, 37.2826

Triad

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



48.6165, 48.5981, 38.2705



40.3497, 48.5981, 55.1584



50.0141, 48.5981, 68.2324

Complementary

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



48.6165, 48.5981, 38.2705



42.5675, 46.3681, 67.0282

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.



46.9679, 48.5981, 72.4008



48.6165, 48.5981, 38.2705



41.4603, 48.5981, 64.3071

Square

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



48.6165, 48.5981, 38.2705



40.7457, 48.5981, 46.3764



43.8476, 48.5981, 70.8871



52.1012, 48.5981, 60.0412

Rectangle

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



48.6165, 48.5981, 38.2705



43.4334, 48.5981, 38.7353



43.8476, 48.5981, 70.8871



49.0630, 48.5981, 70.1912

Sweetspot

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



48.6178, 48.6003, 38.2715



88.4800, 91.8398, 91.3581



46.9562, 40.8420, 51.3909



18.6869, 19.3420, 18.8928



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.



48.6178, 48.6003, 38.2715



73.1576, 72.1572, 52.4551



54.4513, 60.2673, 40.2160



12.2434, 12.6775, 12.4137



18.8123, 13.5577, 1.6254



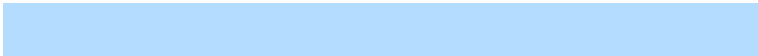
1.1306, 0.9156, 0.1171

Inverse Universe

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



42.5675, 46.3681, 67.0282



62.2108, 68.1158, 104.4766



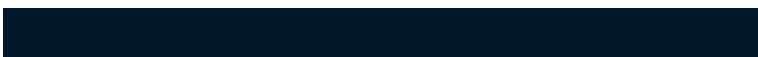
37.5575, 36.3481, 65.3582



11.6920, 12.4743, 15.0352



10.9296, 10.5057, 38.6442



0.6898, 0.7449, 2.1870

Previews

White Background



This preview shows how the XYZ color 48.6165, 48.5981, 38.2705 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 48.6165, 48.5981, 38.2705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

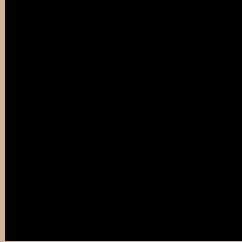
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6165, 48.5981, 38.2705

Background



This preview shows how black text looks on a background with the XYZ color 48.6165, 48.5981, 38.2705.



This preview shows how white text looks on a background with the XYZ color 48.6165, 48.5981,

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

48.6165, 48.5981, 38.2705

Protanopia

46.0262, 48.7686, 39.3352

Deuteranopia

49.3617, 48.3872, 38.1905



Tritanopia

51.9559, 48.4802, 54.7634

Trichromacy



Original Color

48.6165, 48.5981, 38.2705

Protanomaly

46.8387, 48.5807, 38.8066

Deuteranomaly

49.2722, 48.6375, 38.2435

Tritanomaly

50.8093, 48.6157, 48.3008

Monochromacy



Original Color

48.6165, 48.5981, 38.2705

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.1265, 48.8455, 47.5017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6165, 48.5981, 38.2705 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(209, 180, 156)` looks like.

```
.text, #text, p{  
    color:rgb(209, 180, 156)  
}
```

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(209, 180, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 180, 156) }
```

Border

The CSS property to change the border of an element to XYZ 48.6165, 48.5981, 38.2705 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(209, 180, 156) }
```


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

```
.border{ border-color:rgb(209, 180, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 180, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 180, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 180, 156);  
box-shadow:4px 4px 4px 4px rgb(209, 180,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6165, 48.5981, 38.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 180, 156) }
```

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

```
.background{ background-color: rgb(209,  
180, 156) }
```

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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