

Converting Colors

XYZ(49.8610, 48.7741, 45.8161)

Have a look what the booklet for
XYZ(49.8610, 48.7741, 45.8161)
contains.

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Color

**XYZ(49.8610, 48.7741,
45.8161)**

Conversions

Conversions Part 1

Format	Color
Hex	D1B3AC
RGB	209, 179, 172
RGB Percent	82%, 70%, 67%
CMY	0.1804, 0.2980, 0.3255
CMYK	0.00, 0.14, 0.18, 0.18
HSL	11°, 29%, 75%
HSV	11°, 18%, 82%
XYZ	49.8610, 48.7741, 45.8161
YIQ	187.1720, 20.1270, 4.1830

Conversions

Conversions Part 2

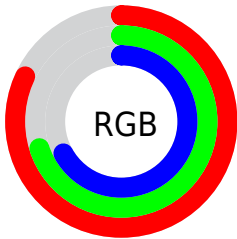
Format	Color
R_{YB}	209, 181, 172
Decimal	13743020
CIE _{Lab}	75.31, 9.67, 7.56
CIE _{LCh}	75, 12.278, 38.016
Yxy	48.7741, 0.3452, 0.3377
Android (android.graphics.Color)	4291933100 (0xFFD1B3AC)
YUV	187.1720, -7.4798, 19.1432
Hunter-Lab	69.8385, 5.2224, 9.9909

Details

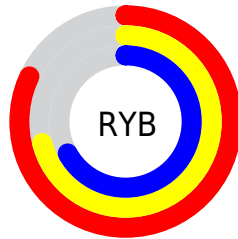
The XYZ color **49.8610, 48.7741, 45.8161** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.6420, 55.6138, 68.4401**, and the grayscale version is **47.3652, 49.8319, 54.2669**.

A 20% lighter version of the original color is **84.8135, 86.2227, 84.8455**, and **24.1774, 23.1478, 20.9630** is the 20% darker color. If you saturate the color by 10%, you get **44.8200, 41.6554, 34.9993**, and if you desaturate by 10%, it is **55.6377, 56.8581, 58.4367**.

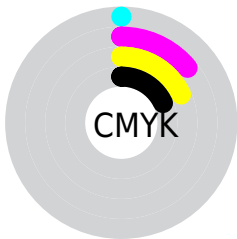
Distribution



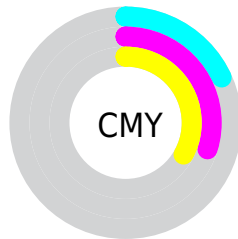
- Red (82%)
- Green (70%)
- Blue (67%)



- Red (82%)
- Yellow (71%)
- Blue (67%)



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





- Cyan (18%)
- Magenta (30%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8610, 48.7741, 45.8161 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 49.8610, 48.7741, 45.8161 by changing the saturation by 10% instead.


 49.8610, 48.7741,
45.8161

 49.8610, 48.7741,
45.8161


376.5831,
381.8523, 386.3249

 35.5203, 34.4403,
31.7531


 89.1619, 88.3559,
85.2751

 24.2323, 23.2321,
20.9097


114.8529,
114.3726, 111.5082

 15.6317, 14.7650,
12.8674

145.0580,
145.0525, 142.6350

 9.3531, 8.6546,
7.2077

180.1426,
180.7799, 179.0742

 5.0312, 4.5166,
3.5119

220.4721,
221.9391, 221.2442

 2.3005, 1.9665,
1.3616

266.4117,

 0.7949, 0.5879,

268.9147, 269.5637

0.1115

318.3270,
322.0910, 324.4510

■ 0.0000, 0.0000,
0.0000

■ 49.8610, 48.7741,
45.8161

■ 49.8610, 48.7741,
45.8161

■ 44.8200, 41.6554,
34.9993

■ 55.6377, 56.8581,
58.4367

■ 40.4809, 35.4593,
25.9007

■ 62.1742, 65.9348,
72.9352

■ 36.8131, 30.1498,
18.4324

■ 69.4983, 76.0389,
89.3854

■ 33.7824, 25.6859,
12.4972

■ 77.5382, 87.1625,
107.3451

■ 31.3511, 22.0232,
7.9878

■ 80.1047, 92.2954,
108.2006

■ 29.4777, 19.1133,
4.7829

■ 28.1146, 16.9024,
2.7405

■ 27.2015, 15.3270,
1.6626

■ 27.0388, 15.0437,
1.4786

Harmonies

Analogous

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



50.7884, 48.7741, 51.3929



49.8610, 48.7741, 45.8161



48.0015, 48.7741, 42.3983

Triad

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



49.8610, 48.7741, 45.8161



42.4506, 48.7741, 48.5899



46.9659, 48.7741, 66.3848

Complementary

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



49.8610, 48.7741, 45.8161



49.6420, 55.6138, 68.4401

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.



44.7531, 48.7741, 65.4815



49.8610, 48.7741, 45.8161



42.1936, 48.7741, 54.8582

Square

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



49.8610, 48.7741, 45.8161



43.7374, 48.7741, 43.9070



43.0236, 48.7741, 61.1324



49.0819, 48.7741, 63.5093

Rectangle

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



49.8610, 48.7741, 45.8161



46.5087, 48.7741, 41.6319



43.0236, 48.7741, 61.1324



46.2083, 48.7741, 66.5172

Sweetspot

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



49.8623, 48.7763, 45.8171



89.8553, 92.7873, 97.3753



51.7339, 47.3355, 62.4222



19.0818, 19.6503, 20.5088



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.



49.8623, 48.7763, 45.8171



75.2760, 72.3790, 65.5394



53.7720, 56.5957, 47.1204



11.9873, 12.1652, 12.3284



16.7251, 9.3832, 0.9296



0.9903, 0.6350, 0.0704

Inverse Universe

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



49.6420, 55.6138, 68.4401



74.8696, 84.9220, 107.0533



45.6042, 47.5381, 67.0942



11.9602, 13.0107, 15.1246



15.9623, 20.5712, 40.3218



0.9427, 1.2507, 2.2713

Previews

White Background



This preview shows how the XYZ color 49.8610, 48.7741, 45.8161 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 49.8610, 48.7741, 45.8161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

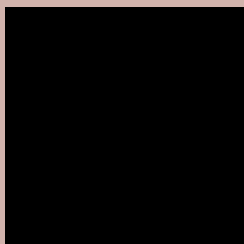
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8610, 48.7741, 45.8161

Background



This preview shows how black text looks on a background with the XYZ color 49.8610, 48.7741, 45.8161.



This preview shows how white text looks on a background with the XYZ color 49.8610, 48.7741,

45.8161.

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

49.8610, 48.7741, 45.8161

Protanopia

46.5727, 48.8694, 47.5355

Deuteranopia

49.8610, 48.7741, 45.8161



Tritanopia

51.6836, 48.6173, 55.3752

Trichromacy



Original Color

49.8610, 48.7741, 45.8161

Protanomaly

47.8622, 48.9287, 46.9660

Deuteranomaly

49.8610, 48.7741, 45.8161

Tritanomaly

50.8477, 48.5648, 51.4937

Monochromacy



Original Color

49.8610, 48.7741, 45.8161

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.0897, 49.2605, 51.2296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8610, 48.7741, 45.8161 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, 179, 172)` looks like.

```
.text, #text, p{  
    color:rgb(209, 179, 172)  
}
```

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, 179, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 179, 172) }
```

Border

The CSS property to change the border of an element to XYZ 49.8610, 48.7741, 45.8161 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, 179, 172) }
```


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

```
.border{ border-color:rgb(209, 179, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 179, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 179, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 179, 172);  
box-shadow:4px 4px 4px 4px rgb(209, 179,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8610, 48.7741, 45.8161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 179, 172) }
```

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

```
.background{ background-color: rgb(209,  
179, 172) }
```

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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