

Converting Colors

XYZ(49.1273, 48.0509, 48.0093)

Have a look what the booklet for
XYZ(49.1273, 48.0509, 48.0093)
contains.

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Color

**XYZ(49.2105, 48.0972,
47.7643)**

Conversions

Conversions Part 1

Format	Color
Hex	CEB2B0
RGB	206, 178, 176
RGB Percent	81%, 70%, 69%
CMY	0.1922, 0.3019, 0.3098
CMYK	0.00, 0.14, 0.15, 0.19
HSL	4°, 23%, 75%
HSV	4°, 15%, 81%
XYZ	49.2105, 48.0972, 47.7643
YIQ	186.1440, 17.3300, 5.3140

Conversions

Conversions Part 2

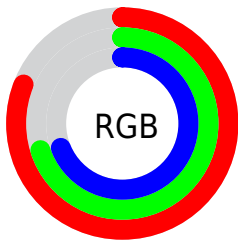
Format	Color
R_{YB}	206, 178, 176
Decimal	13546160
CIE Lab	74.89, 9.74, 4.74
CIE LCh	75, 10.831, 25.925
Yxy	48.0972, 0.3392, 0.3315
Android (android.graphics.Color)	4291736240 (0xFFCEB2B0)
YUV	186.1440, -5.0010, 17.4137
Hunter-Lab	69.3521, 5.2928, 7.7122

Details

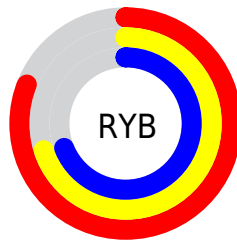
The XYZ color **49.2105, 48.0972, 47.7643** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **50.6377, 56.8709, 66.7014**, and the grayscale version is **46.7743, 49.2102, 53.5899**.

A 20% lighter version of the original color is **85.2283, 85.9318, 88.4384**, and **23.7342, 22.7018, 22.1997** is the 20% darker color. If you saturate the color by 10%, you get **43.7645, 40.2229, 36.6445**, and if you desaturate by 10%, it is **55.5046, 57.1716, 60.6940**.

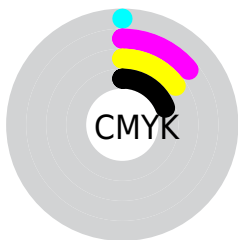
Distribution



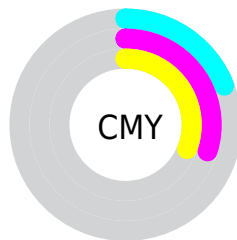
- Red (81%)
- Green (70%)
- Blue (69%)



- Red (81%)
- Yellow (70%)
- Blue (69%)



- Cyan (0%)
- Magenta (14%)
- Yellow (15%)
- Black (19%)





- Cyan (19%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2105, 48.0972, 47.7643 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 49.2105, 48.0972, 47.7643 by changing the saturation by 10% instead.


 49.2105, 48.0972,
47.7643

 49.2105, 48.0972,
47.7643


374.0736,
379.1773, 394.3388

 35.0017, 33.9039,
33.2816


 88.2029, 87.3491,
88.2153

 23.8307, 22.8198,
22.0694


113.7171,
113.1765, 115.0206

 15.3321, 14.4605,
13.7091


143.7306,
143.6506, 146.7706

 9.1407, 8.4416,
7.7822

178.6087,
179.1560, 183.8837

 4.8909, 4.3788,
3.8701

218.7167,
220.0769, 226.7786

 2.2175, 1.8876,
1.5544

264.4199,

 0.7519, 0.5409,

266.7979, 275.8737

0.2579

316.0838,
319.7032, 331.5876

■ 0.0000, 0.0000,
0.0000

■ 49.2105, 48.0972,
47.7643

■ 49.2105, 48.0972,
47.7643

■ 43.7645, 40.2229,
36.6445

■ 55.5046, 57.1716,
60.6940

■ 39.1264, 33.4925,
27.2508

■ 62.6766, 67.4865,
75.5059

■ 35.2591, 27.8545,
19.4977

■ 70.7600, 79.0887,
92.2723

■ 32.1206, 23.2513,
13.2910

■ 79.2325, 91.7992,
108.1508

■ 29.6650, 19.6201,
8.5270

■ 79.2638, 91.8619,
108.1612

■ 27.8415, 16.8910,
5.0892

■ 26.5917, 14.9847,
2.8431

■ 25.8464, 13.8086,
1.6258

■ 25.6077, 13.4296,
1.2425

Harmonies

Analogous

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



49.6022, 48.0972, 53.1452



49.2105, 48.0972, 47.7643



47.8724, 48.0972, 43.8803

Triad

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



49.2105, 48.0972, 47.7643



42.6457, 48.0972, 46.5182



45.4460, 48.0972, 63.9650

Complementary

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



49.2105, 48.0972, 47.7643



50.6377, 56.8709, 66.7014

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.



43.6233, 48.0972, 61.8889



49.2105, 48.0972, 47.7643



42.0363, 48.0972, 51.6017

Square

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



49.2105, 48.0972, 47.7643



44.0773, 48.0972, 43.1980



42.3890, 48.0972, 57.2620



47.3927, 48.0972, 62.7555

Rectangle

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



49.2105, 48.0972, 47.7643



46.6433, 48.0972, 42.5272



42.3890, 48.0972, 57.2620



44.7990, 48.0972, 63.6245

Sweetspot

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



49.2118, 48.0994, 47.7653



90.4891, 93.4368, 99.4920



51.8786, 48.5328, 63.7608



19.1904, 19.7431, 20.9287



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.



49.2118, 48.0994, 47.7653



77.2644, 74.3655, 72.3378



52.3606, 54.3970, 48.8149



11.2715, 11.3319, 11.6726



15.7940, 8.3210, 0.7737



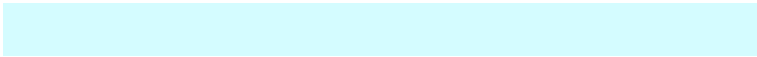
0.8363, 0.4723, 0.0471

Inverse Universe

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



50.6377, 56.8709, 66.7014



79.9438, 90.8516, 107.9304



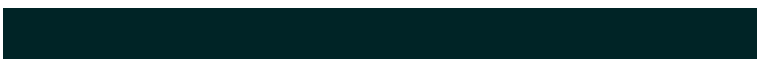
47.2433, 50.0822, 65.5699



11.4766, 12.5937, 14.3963



18.5281, 26.0801, 40.0137



0.9756, 1.3849, 2.0708

Previews

White Background



This preview shows how the XYZ color 49.2105, 48.0972, 47.7643 looks on a white background.

Color Contrast Check

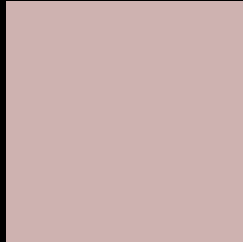
Large Text (above 18pt) WCAG AA × Fail

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 49.2105, 48.0972, 47.7643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

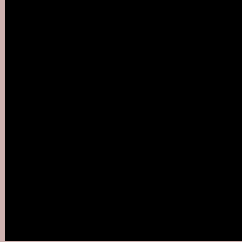
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2105, 48.0972, 47.7643

Background



This preview shows how black text looks on a background with the XYZ color 49.2105, 48.0972, 47.7643.



This preview shows how white text looks on a background with the XYZ color 49.2105, 48.0972,

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

49.2105, 48.0972, 47.7643

Protanopia

46.2634, 48.3545, 49.5428

Deuteranopia

48.9337, 47.9545, 47.7514



Tritanopia

50.8320, 48.1783, 55.3354

Trichromacy



Original Color

49.2105, 48.0972, 47.7643

Protanomaly

47.2695, 48.2724, 48.9456

Deuteranomaly

48.9337, 47.9545, 47.7514

Tritanomaly

50.2112, 48.2125, 52.5585

Monochromacy



Original Color

49.2105, 48.0972, 47.7643

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.3693, 48.5818, 51.1366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2105, 48.0972, 47.7643 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(206, 178, 176) looks like.

```
.text, #text, p{  
    color:rgb(206, 178, 176)  
}
```

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(206, 178, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 178, 176) }
```

Border

The CSS property to change the border of an element to XYZ 49.2105, 48.0972, 47.7643 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(206, 178, 176) }
```


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

```
.border{ border-color:rgb(206, 178, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 178, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 178, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 178, 176);  
box-shadow:4px 4px 4px 4px rgb(206, 178,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2105, 48.0972, 47.7643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 178, 176) }
```

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

```
.background{ background-color: rgb(206,  
178, 176) }
```

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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