

Converting Colors

XYZ(49.4007, 48.2895, 52.2038)

Have a look what the booklet for
XYZ(49.4007, 48.2895, 52.2038)
contains.

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Color

**XYZ(49.4004, 48.3974,
52.0853)**

Conversions

Conversions Part 1

Format	Color
Hex	CBB3B8
RGB	203, 179, 184
RGB Percent	80%, 70%, 72%
CMY	0.2039, 0.2980, 0.2784
CMYK	0.00, 0.12, 0.09, 0.20
HSL	348°, 19%, 75%
HSV	348°, 12%, 80%
XYZ	49.4004, 48.3974, 52.0853
YIQ	186.7460, 12.6990, 6.6430

Conversions

Conversions Part 2

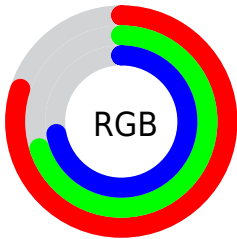
Format	Color
R _Y B	203, 179, 184
Decimal	13349816
CIE Lab	75.07, 9.44, 0.61
CIE LCh	75, 9.463, 3.693
Yxy	48.3974, 0.3296, 0.3229
Android (android.graphics.Color)	4291539896 (0xFFCBB3B8)
YUV	186.7460, -1.3538, 14.2548
Hunter-Lab	69.5682, 5.0084, 4.3077

Details

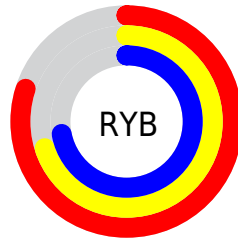
The XYZ color **49.4004, 48.3974, 52.0853** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.1412, 56.3740, 61.6674**, and the grayscale version is **47.0945, 49.5470, 53.9567**.

A 20% lighter version of the original color is **86.6765, 86.9679, 94.6562**, and **23.9520, 22.9500, 24.6401** is the 20% darker color. If you saturate the color by 10%, you get **44.0374, 40.2160, 42.4520**, and if you desaturate by 10%, it is **55.5565, 57.8576, 62.9287**.

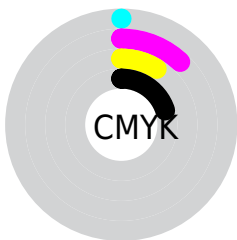
Distribution



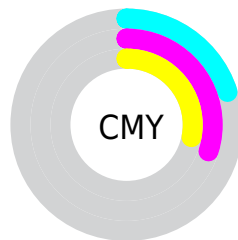
- Red (80%)
- Green (70%)
- Blue (72%)



- Red (80%)
- Yellow (70%)
- Blue (72%)



- Cyan (0%)
- Magenta (12%)
- Yellow (9%)
- Black (20%)





- Cyan (20%)
- Magenta (30%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4004, 48.3974, 52.0853 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 49.4004, 48.3974, 52.0853 by changing the saturation by 10% instead.


 49.4004, 48.3974,
52.0853

 49.4004, 48.3974,
52.0853


374.8073,
380.3652, 411.7321

 35.1531, 34.1417,
36.6904


 88.4830, 87.7958,
94.6849

 23.9479, 23.0025,
24.6739


114.0490,
113.7073, 122.7266

 15.4195, 14.5953,
15.6175


144.1185,
144.2728, 155.8210

 9.2025, 8.5359,
9.1025

179.0570,
179.8768, 194.3867

 4.9317, 4.4397,
4.7104

219.2297,
220.9037, 238.8420

 2.2416, 1.9224,
2.0226

265.0022,

 0.7645, 0.5618,

267.7377, 289.6057

0.5691

316.7396,
320.7634, 347.0962

■ 0.0000, 0.0000,
0.0000

■ 49.4004, 48.3974,
52.0853

■ 49.4004, 48.3974,
52.0853

■ 44.0374, 40.2160,
42.4520

■ 55.5565, 57.8576,
62.9287

■ 39.4311, 33.2522,
33.9834

■ 62.5323, 68.6415,
75.0194

■ 35.5480, 27.4495,
26.6358

■ 70.3579, 80.7998,
88.3964

■ 32.3507, 22.7444,
20.3615

■ 77.3779, 91.0122,
102.5356

■ 29.7983, 19.0673,
15.1094

■ 78.4388, 91.4366,
108.1226

■ 27.8454, 16.3405,
10.8239

■ 26.4405, 14.4750,
7.4440

■ 25.5228, 13.3652,
4.9013

■ 25.0515, 12.8657,
3.3786

Harmonies

Analogous

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



49.0472, 48.3974, 57.0325



49.4004, 48.3974, 52.0853



48.8239, 48.3974, 47.5863

Triad

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



49.4004, 48.3974, 52.0853



44.1795, 48.3974, 45.1607



44.5417, 48.3974, 61.7065

Complementary

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



49.4004, 48.3974, 52.0853



50.1412, 56.3740, 61.6674

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.



43.2877, 48.3974, 58.1602



49.4004, 48.3974, 52.0853



43.0822, 48.3974, 48.5861

Square

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



49.4004, 48.3974, 52.0853



45.7864, 48.3974, 43.7497



42.7599, 48.3974, 53.3125



46.2149, 48.3974, 62.7869

Rectangle

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



49.4004, 48.3974, 52.0853



47.9982, 48.3974, 45.3860



42.7599, 48.3974, 53.3125



44.0586, 48.3974, 60.7528

Sweetspot

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



49.4018, 48.3995, 52.0863



90.6087, 93.1546, 101.1391



50.1371, 48.5328, 63.2257



19.2206, 19.6720, 21.3437



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.



49.4018, 48.3995, 52.0863



80.4782, 77.6110, 83.2189



50.2836, 50.9867, 49.8416



11.3063, 11.2512, 12.1476



15.9697, 8.1985, 2.2931



0.8522, 0.4343, 0.2676

Inverse Universe

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



49.4018, 48.3995, 52.0863



80.4782, 77.6110, 83.2189



49.1567, 53.4672, 64.2298



11.3063, 11.2512, 12.1476



15.9697, 8.1985, 2.2931



0.8522, 0.4343, 0.2676

Previews

White Background



This preview shows how the XYZ color 49.4004, 48.3974, 52.0853 looks on a white background.

Color Contrast Check

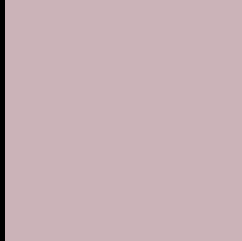
Large Text (above 18pt) WCAG AA × Fail

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 49.4004, 48.3974, 52.0853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

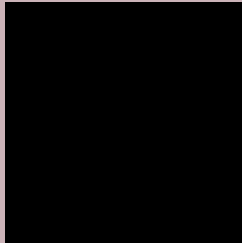
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4004, 48.3974, 52.0853

Background



This preview shows how black text looks on a background with the XYZ color 49.4004, 48.3974, 52.0853.



This preview shows how white text looks on a background with the XYZ color 49.4004, 48.3974,

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

49.4004, 48.3974, 52.0853

Protanopia

46.8492, 48.5602, 53.9175

Deuteranopia

49.4004, 48.3974, 52.0853



Tritanopia

50.3367, 48.4839, 56.5745

Trichromacy



Original Color

49.4004, 48.3974, 52.0853

Protanomaly

47.5832, 48.3385, 53.2767

Deuteranomaly

49.4004, 48.3974, 52.0853

Tritanomaly

50.0075, 48.3523, 54.8414

Monochromacy



Original Color

49.4004, 48.3974, 52.0853

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.9957, 49.1636, 53.4143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4004, 48.3974, 52.0853 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(203, 179, 184)` looks like.

```
.text, #text, p{  
    color:rgb(203, 179, 184)  
}
```

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(203, 179, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 179, 184) }
```

Border

The CSS property to change the border of an element to XYZ 49.4004, 48.3974, 52.0853 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(203, 179, 184) }
```


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

```
.border{ border-color:rgb(203, 179, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 179, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 179, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 179, 184); box-shadow:4px 4px 4px 4px rgb(203, 179, 184) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4004, 48.3974, 52.0853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 179, 184) }
```

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

```
.background{ background-color: rgb(203,  
179, 184) }
```

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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