

# Converting Colors

XYZ(51.4127, 49.6413, 49.2457)

Have a look what the booklet for  
XYZ(51.4127, 49.6413, 49.2457)  
contains.

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# Color

**XYZ(51.3074, 49.4516,  
48.9604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4B3B2
RGB	212, 179, 178
RGB Percent	83%, 70%, 70%
CMY	0.1686, 0.2980, 0.3020
CMYK	0.00, 0.16, 0.16, 0.17
HSL	2°, 28%, 76%
HSV	2°, 16%, 83%
XYZ	51.3074, 49.4516, 48.9604
YIQ	188.7530, 19.9890, 6.6850

# Conversions

## Conversions Part 2

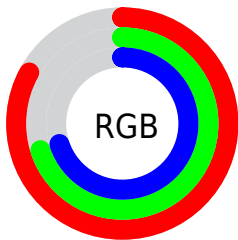
Format	Color
R <sub>Y</sub> B	212, 179, 178
Decimal	13939634
CIE Lab	75.73, 11.72, 4.93
CIE LCh	76, 12.717, 22.830
Yxy	49.4516, 0.3427, 0.3303
Android (android.graphics.Color)	4292129714 (0xFFD4B3B2)
YUV	188.7530, -5.3012, 20.3876
Hunter-Lab	70.3218, 7.1719, 7.9456

# Details

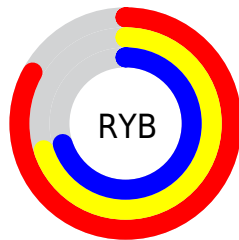
The XYZ color **51.3074, 49.4516, 48.9604** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **53.5377, 60.8057, 71.2029**, and the grayscale version is **48.2511, 50.7639, 55.2819**.

A 20% lighter version of the original color is **85.7996, 86.6172, 90.0386**, and **25.0672, 23.5705, 22.6304** is the 20% darker color. If you saturate the color by 10%, you get **45.5210, 41.0257, 37.3289**, and if you desaturate by 10%, it is **58.0408, 59.2440, 62.5317**.

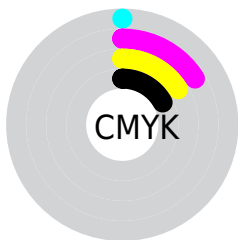
# Distribution



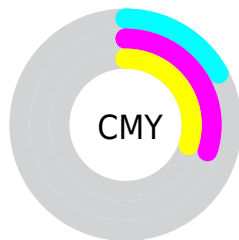
- Red (83%)
- Green (70%)
- Blue (70%)



- Red (83%)
- Yellow (70%)
- Blue (70%)



- Cyan (0%)
- Magenta (16%)
- Yellow (16%)
- Black (17%)




- Cyan (17%)
- Magenta (30%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3074, 49.4516, 48.9604 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 51.3074, 49.4516, 48.9604 by changing the saturation by 10% instead.





 51.3074, 49.4516,  
48.9604

 51.3074, 49.4516,  
48.9604


382.1249,  
384.5175, 399.2044

 36.6753, 34.9779,  
34.2227


 91.2893, 89.3618,  
90.0130

 25.1287, 23.6458,  
22.7860


117.3698,  
115.5671, 117.1650

 16.3022, 15.0711,  
14.2317


147.9973,  
146.4516, 149.2922

 9.8305, 8.8693,  
8.1414

183.5369,  
182.3998, 186.8130

 5.3481, 4.6560,  
4.0965

224.3541,  
223.7961, 230.1461

 2.4898, 2.0469,  
1.6784

270.8143,

 0.8901, 0.6345,

271.0249, 279.7100

0.3459

323.2828,  
324.4706, 335.9233

■ 0.0000, 0.0000,  
0.0000

■ 51.3074, 49.4516,  
48.9604

■ 51.3074, 49.4516,  
48.9604

■ 45.5210, 41.0257,  
37.3289

■ 58.0408, 59.2440,  
62.5317

■ 40.6352, 33.8993,  
27.5457

■ 65.7566, 70.4528,  
78.1223

■ 36.6060, 28.0098,  
19.5166

■ 74.4936, 83.1335,  
95.8111

■ 33.3841, 23.2866,  
13.1379

■ 80.9616, 92.7372,  
108.2407

■ 30.9151, 19.6525,  
8.2949

■ 29.1377, 17.0203,  
4.8585

■ 27.9815, 15.2901,  
2.6782

■ 27.3603, 14.3409,  
1.5672

■ 27.2196, 14.1331,  
1.2933

# Harmonies

## Analogous

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



51.6472, 49.4516, 55.4819



51.3074, 49.4516, 48.9604



49.7960, 49.4516, 44.1434

# Triad

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



51.3074, 49.4516, 48.9604



43.4802, 49.4516, 46.3719



46.4385, 49.4516, 67.7870

# Complementary

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



51.3074, 49.4516, 48.9604



53.5377, 60.8057, 71.2029

# 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.



44.3150, 49.4516, 64.8717



51.3074, 49.4516, 48.9604



42.6445, 49.4516, 52.2394

# Square

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



51.3074, 49.4516, 48.9604



45.2645, 49.4516, 42.7384



42.9449, 49.4516, 59.0428



48.7840, 49.4516, 66.7247



# Rectangle

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



51.3074, 49.4516, 48.9604



48.3539, 49.4516, 42.3635



42.9449, 49.4516, 59.0428



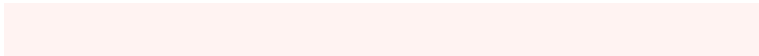
45.6761, 49.4516, 67.2321

# Sweetspot

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



51.3088, 49.4538, 48.9614



89.2435, 91.5636, 97.1713



54.8847, 50.5634, 68.7808



18.9337, 19.3541, 20.4594



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.



51.3088, 49.4538, 48.9614



74.9986, 70.8452, 68.4651



54.8302, 56.4967, 50.1353



12.4524, 12.4789, 12.9131



16.8167, 8.7506, 0.8027



1.0249, 0.5490, 0.0519

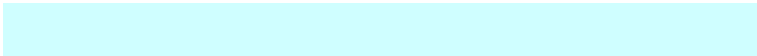


# Inverse Universe

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



53.5377, 60.8057, 71.2029



78.9619, 91.0314, 108.0168



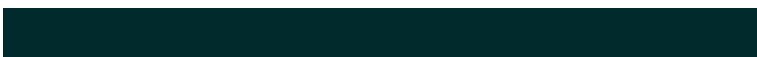
49.6328, 52.9959, 69.9012



12.7593, 14.0420, 15.9754



20.9373, 30.1365, 43.1666

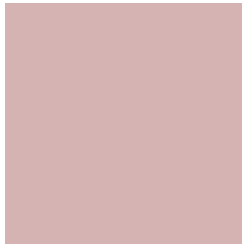


1.2730, 1.8379, 2.6070



# Previews

## White Background



This preview shows how the XYZ color 51.3074, 49.4516, 48.9604 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 51.3074, 49.4516, 48.9604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

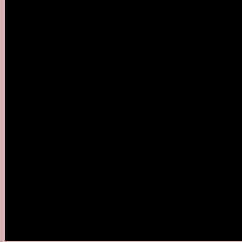
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.3074, 49.4516, 48.9604

## Background



This preview shows how black text looks on a background with the XYZ color 51.3074, 49.4516, 48.9604.



This preview shows how white text looks on a background with the XYZ color 51.3074, 49.4516,



# 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

51.3074, 49.4516, 48.9604

### Protanopia

47.4883, 49.5716, 51.3213

### Deuteranopia

50.3696, 49.2668, 48.9742



## Tritanopia

52.8577, 49.5020, 56.0592

# Trichromacy



## Original Color

51.3074, 49.4516, 48.9604

## Protanomaly

48.8272, 49.3453, 50.6672

## Deuteranomaly

50.6516, 49.4122, 48.9874

## Tritanomaly

52.2239, 49.5321, 53.2625

# Monochromacy



## Original Color

51.3074, 49.4516, 48.9604

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

49.1319, 50.0710, 52.9741

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3074, 49.4516, 48.9604 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(212, 179, 178)` looks like.

```
.text, #text, p{  
    color:rgb(212, 179, 178)  
}
```

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(212, 179, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 179, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3074, 49.4516, 48.9604 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(212, 179, 178) }
```



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

```
.border{ border-color:rgb(212, 179, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 179, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 179, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 179, 178);  
box-shadow:4px 4px 4px 4px rgb(212, 179,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3074, 49.4516, 48.9604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 179, 178) }
```

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

```
.background{ background-color: rgb(212,  
179, 178) }
```

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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