

# Converting Colors

XYZ(51.8918, 50.8435, 62.5410)

Have a look what the booklet for  
XYZ(51.8918, 50.8435, 62.5410)  
contains.

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# **Color**

**XYZ(52.0402, 51.0546,  
62.3700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAB8C9
RGB	202, 184, 201
RGB Percent	79%, 72%, 79%
CMY	0.2078, 0.2784, 0.2118
CMYK	0.00, 0.09, 0.00, 0.21
HSL	303°, 15%, 76%
HSV	303°, 9%, 79%
XYZ	52.0402, 51.0546, 62.3700
YIQ	191.3200, 5.2710, 9.1030

# Conversions

## Conversions Part 2

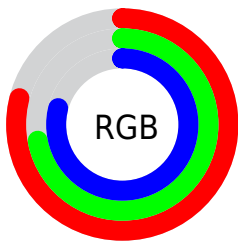
Format	Color
R <sub>Y</sub> B	202, 184, 201
Decimal	13285577
CIE Lab	76.71, 9.42, -6.25
CIE LCh	77, 11.308, 326.440
Yxy	51.0546, 0.3145, 0.3086
Android (android.graphics.Color)	4291475657 (0xFFCAB8C9)
YUV	191.3200, 4.7722, 9.3664
Hunter-Lab	71.4525, 4.9630, -1.7368

# Details

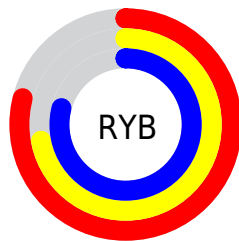
The XYZ color **52.0402, 51.0546, 62.3700** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.6466, 55.9355, 54.0816**, and the grayscale version is **49.6792, 52.2664, 56.9181**.

A 20% lighter version of the original color is **90.4501, 90.8002, 107.3667**, and **25.5955, 24.6351, 31.0098** is the 20% darker color. If you saturate the color by 10%, you get **48.0091, 43.2023, 60.3778**, and if you desaturate by 10%, it is **56.6744, 60.1101, 64.5692**.

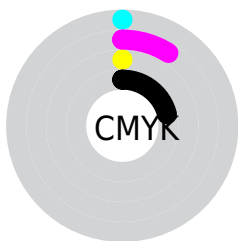
# Distribution



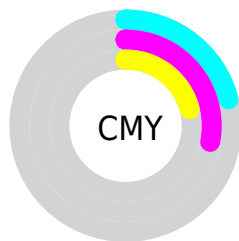
- Red (79%)
- Green (72%)
- Blue (79%)



- Red (79%)
- Yellow (72%)
- Blue (79%)



- Cyan (0%)
- Magenta (9%)
- Yellow (0%)
- Black (21%)



- Cyan (21%)
- Magenta (28%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0402, 51.0546, 62.3700 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 52.0402, 51.0546, 62.3700 by changing the saturation by 10% instead.



■ 52.0402, 51.0546,  
62.3700

■ 52.0402, 51.0546,  
62.3700

384.9132,  
390.7759, 451.3243

■ 37.2615, 36.2521,  
44.8940

■ 92.3644, 91.7355,  
109.8369

■ 25.5846, 24.6289,  
31.0316

118.6406,  
118.3826, 140.6649

■ 16.6442, 15.8008,  
20.3643

149.4801,  
149.7467, 176.7806

■ 10.0749, 9.3833,  
12.4734

185.2481,  
186.2122, 218.6026

■ 5.5113, 4.9920,  
6.9405

226.3101,  
228.1635, 266.5494

■ 2.5881, 2.2426,  
3.3470

273.0314,

■ 0.9399, 0.7431,

275.9849, 321.0396

1.2744

325.7773,  
330.0609, 382.4917

■ 0.0000, 0.0000,  
0.0407

■ 0.0000, 0.0000,  
0.0000

■ 52.0402, 51.0546,  
62.3700

■ 52.0402, 51.0546,  
62.3700

■ 48.0091, 43.2023,  
60.3778

■ 56.6744, 60.1101,  
64.5692

■ 44.5514, 36.4959,  
58.5808

■ 61.9309, 70.4096,  
66.9801

■ 41.6415, 30.8835,  
56.9712

■ 67.8339, 82.0002,  
69.6112

■ 39.2501, 26.3068,  
55.5391

■ 71.1963, 88.5083,  
71.4003

37.3454, 22.7016,  
54.2740

71.3327, 88.5628,  
72.1188

35.8917, 19.9971,  
53.1639

71.4702, 88.6178,  
72.8425

34.8487, 18.1125,  
52.1955

71.6086, 88.6732,  
73.5713

34.1689, 16.9528,  
51.3528

71.7479, 88.7289,  
74.3053

33.7742, 16.3617,  
50.6098

71.8883, 88.7851,  
75.0444

# Harmonies

## Analogous

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



50.3833, 51.0546, 66.8367



52.0402, 51.0546, 62.3700



52.7545, 51.0546, 56.3255

# Triad

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



52.0402, 51.0546, 62.3700



48.7821, 51.0546, 44.6267



44.9300, 51.0546, 61.0101

# Complementary

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



52.0402, 51.0546, 62.3700



49.6466, 55.9355, 54.0816

# 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.



44.5294, 51.0546, 54.8605



52.0402, 51.0546, 62.3700



46.7146, 51.0546, 45.6811

# Square

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



52.0402, 51.0546, 62.3700



50.8389, 51.0546, 46.3268



45.1734, 51.0546, 49.3197



46.2841, 51.0546, 66.0119



# Rectangle

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



52.0402, 51.0546, 62.3700



52.5851, 51.0546, 52.3172



45.1734, 51.0546, 49.3197



44.6811, 51.0546, 58.9960

# Sweetspot

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



52.0417, 51.0568, 62.3711



92.5895, 95.1885, 107.7426



47.7869, 48.8497, 62.7882



19.6807, 20.1060, 22.9963



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.



52.0417, 51.0568, 62.3711



86.4954, 83.2908, 104.8155



51.0248, 50.6501, 57.0163



11.6596, 11.3926, 14.0080



21.7201, 10.4986, 32.5742



1.1289, 0.5450, 1.7247



# Inverse Universe

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



52.0417, 51.0568, 62.3711



86.4954, 83.2908, 104.8155



50.6158, 56.3232, 59.1855



11.6596, 11.3926, 14.0080



21.7201, 10.4986, 32.5742

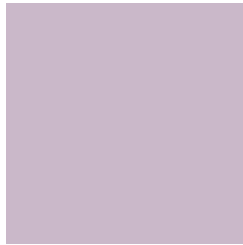


1.1289, 0.5450, 1.7247



# Previews

## White Background



This preview shows how the XYZ color 52.0402, 51.0546, 62.3700 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

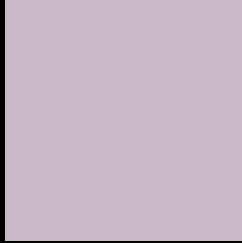
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.0402, 51.0546, 62.3700 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

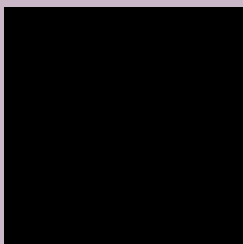
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

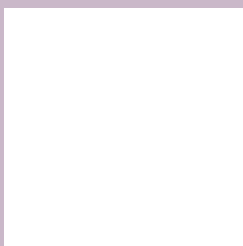
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.0402, 51.0546, 62.3700**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.0402, 51.0546, 62.3700.



This preview shows how white text looks on a background with the XYZ color 52.0402, 51.0546,



# 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

52.0402, 51.0546, 62.3700

### Protanopia

49.8686, 51.1449, 64.3703

### Deuteranopia

52.0402, 51.0546, 62.3700



## Tritanopia

51.8064, 50.9611, 61.1388

# Trichromacy



## Original Color

52.0402, 51.0546, 62.3700

## Protanomaly

50.7980, 51.3218, 63.7287

## Deuteranomaly

52.0402, 51.0546, 62.3700

## Tritanomaly

51.9229, 51.0077, 61.7524

# Monochromacy



## Original Color

52.0402, 51.0546, 62.3700

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

50.3392, 51.5087, 58.9188

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.0402, 51.0546, 62.3700 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(202, 184, 201)` looks like.

```
.text, #text, p{  
    color:rgb(202, 184, 201)  
}
```

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(202, 184, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 184, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 52.0402, 51.0546, 62.3700 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(202, 184, 201) }
```



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

```
.border{ border-color:rgb(202, 184, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 184, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 184, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 184, 201);  
box-shadow:4px 4px 4px 4px rgb(202, 184,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.0402, 51.0546, 62.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 184, 201) }
```

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

```
.background{ background-color: rgb(202,  
184, 201) }
```

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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