

# Converting Colors

XYZ(52.9046, 50.4028, 64.6293)

Have a look what the booklet for  
XYZ(52.9046, 50.4028, 64.6293)  
contains.

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# Color

**XYZ(52.9969, 50.5773,  
64.7268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEB5CD
RGB	206, 181, 205
RGB Percent	81%, 71%, 80%
CMY	0.1922, 0.2902, 0.1961
CMYK	0.00, 0.12, 0.00, 0.19
HSL	302°, 20%, 76%
HSV	302°, 12%, 81%
XYZ	52.9969, 50.5773, 64.7268
YIQ	191.2110, 7.1960, 12.7640

# Conversions

## Conversions Part 2

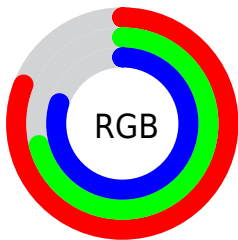
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 181, 205
Decimal	13546957
CIE <sub>Lab</sub>	76.42, 13.16, -8.82
CIE <sub>LCh</sub>	76, 15.844, 326.185
Yxy	50.5773, 0.3149, 0.3005
Android (android.graphics.Color)	4291737037 (0xFFCEB5CD)
YUV	191.2110, 6.7980, 12.9700
Hunter-Lab	71.1177, 8.5621, -4.1796

# Details

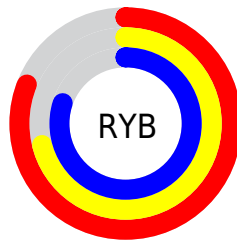
The XYZ color **52.9969, 50.5773, 64.7268** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.5728, 57.3452, 52.7145**, and the grayscale version is **49.6037, 52.1870, 56.8316**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **26.2540, 24.3481, 32.5941** is the 20% darker color. If you saturate the color by 10%, you get **49.0154, 42.7722, 62.9106**, and if you desaturate by 10%, it is **57.6013, 59.6256, 66.7544**.

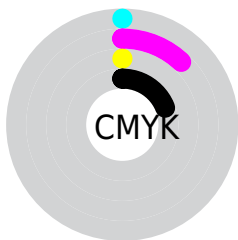
# Distribution



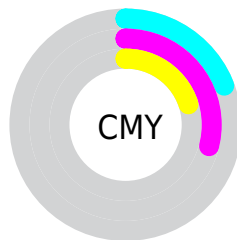
- Red (81%)
- Green (71%)
- Blue (80%)



- Red (81%)
- Yellow (71%)
- Blue (80%)



- Cyan (0%)
- Magenta (12%)
- Yellow (0%)
- Black (19%)



- Cyan (19%)
- Magenta (29%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9969, 50.5773, 64.7268 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 52.9969, 50.5773, 64.7268 by changing the saturation by 10% instead.



■ 52.9969, 50.5773,  
64.7268

■ 52.9969, 50.5773,  
64.7268

388.5343,  
388.9193, 460.0889

■ 38.0278, 35.8723,  
46.7896

■ 93.7654, 91.0296,  
113.2665

■ 26.1815, 24.3356,  
32.5162

120.2954,  
117.5458, 144.7061

■ 17.0929, 15.5828,  
21.4880

151.4098,  
148.7678, 181.4837

■ 10.3965, 9.2294,  
13.2865

187.4739,  
185.0800, 224.0177

■ 5.7269, 4.8911,  
7.4931

228.8530,  
226.8669, 272.7266

■ 2.7188, 2.1835,  
3.6893

275.9125,

■ 1.0069, 0.7110,

274.5128, 328.0291

1.4565

329.0178,  
328.4021, 390.3437

■ 0.0000, 0.0000,  
0.1852

■ 0.0000, 0.0000,  
0.0000

■ 52.9969, 50.5773,  
64.7268

■ 52.9969, 50.5773,  
64.7268

■ 49.0154, 42.7722,  
62.9106

■ 57.6013, 59.6256,  
66.7544

■ 45.6251, 36.1497,  
61.2935

■ 62.8494, 69.9614,  
68.9985

■ 42.7985, 30.6537,  
59.8669

■ 68.7668, 81.6348,  
71.4683

■ 40.5041, 26.2211,  
58.6202

■ 72.6358, 89.2107,  
73.2580

38.7072, 22.7828,  
57.5420

72.7377, 89.2515,  
73.7945

37.3690, 20.2611,  
56.6192

72.8401, 89.2925,  
74.3338

36.4452, 18.5673,  
55.8371

72.9431, 89.3336,  
74.8759

35.8824, 17.5947,  
55.1779

73.0466, 89.3750,  
75.4208

35.6193, 17.1881,  
54.7210

73.1506, 89.4166,  
75.9685

# Harmonies

## Analogous

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



50.6479, 50.5773, 71.1653



52.9969, 50.5773, 64.7268



54.0253, 50.5773, 56.1701

# Triad

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



52.9969, 50.5773, 64.7268



48.4548, 50.5773, 40.2521



43.1066, 50.5773, 62.6415

# Complementary

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



52.9969, 50.5773, 64.7268



49.5728, 57.3452, 52.7145

# 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.



42.5733, 50.5773, 53.9845



52.9969, 50.5773, 64.7268



45.5853, 50.5773, 41.6054

# Square

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



52.9969, 50.5773, 64.7268



51.3353, 50.5773, 42.5185



43.4625, 50.5773, 46.4250



44.9504, 50.5773, 69.8766



# Rectangle

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



52.9969, 50.5773, 64.7268



53.7937, 50.5773, 50.6169



43.4625, 50.5773, 46.4250



42.7715, 50.5773, 59.7771

# Sweetspot

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



52.9984, 50.5795, 64.7279



91.8163, 93.6376, 107.4983



46.9187, 47.4313, 65.0756



19.5264, 19.7944, 22.9540



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.



52.9984, 50.5795, 64.7279



83.7930, 77.8787, 103.9370



51.5676, 50.0072, 57.1936



11.6674, 11.3957, 14.0492



21.9418, 10.5873, 33.7419



1.1381, 0.5487, 1.7732



# Inverse Universe

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



52.9984, 50.5795, 64.7279



83.7930, 77.8787, 103.9370



50.9042, 57.8777, 59.7257



11.6674, 11.3957, 14.0492



21.9418, 10.5873, 33.7419

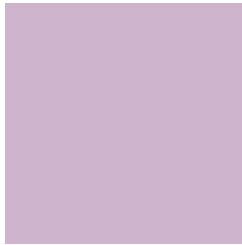


1.1381, 0.5487, 1.7732



# Previews

## White Background



This preview shows how the XYZ color 52.9969, 50.5773, 64.7268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

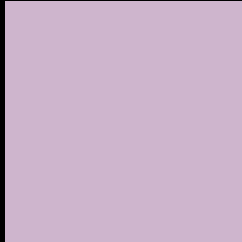
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.9969, 50.5773, 64.7268 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

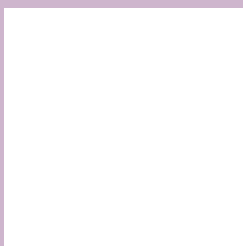
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.9969, 50.5773, 64.7268**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.9969, 50.5773, 64.7268.



This preview shows how white text looks on a background with the XYZ color 52.9969, 50.5773,



# 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

52.9969, 50.5773, 64.7268

### Protanopia

49.5286, 50.5832, 67.4747

### Deuteranopia

51.7723, 50.5541, 64.7868



## Tritanopia

51.9828, 50.4663, 59.8245

# Trichromacy



## Original Color

52.9969, 50.5773, 64.7268

## Protanomaly

50.7264, 50.5894, 66.7657

## Deuteranomaly

52.1045, 50.4202, 64.7435

## Tritanomaly

52.3301, 50.6052, 61.6533

# Monochromacy



## Original Color

52.9969, 50.5773, 64.7268

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

50.4991, 51.2619, 59.4575

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.9969, 50.5773, 64.7268 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, 181, 205) looks like.

```
.text, #text, p{  
    color:rgb(206, 181, 205)  
}
```

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, 181, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 181, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 52.9969, 50.5773, 64.7268 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, 181, 205) }
```



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

```
.border{ border-color:rgb(206, 181, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 181, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 181, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 181, 205);  
box-shadow:4px 4px 4px 4px rgb(206, 181,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.9969, 50.5773, 64.7268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 181, 205) }
```

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

```
.background{ background-color: rgb(206,  
181, 205) }
```

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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