

# Converting Colors

XYZ(50.5636, 49.5721, 53.3577)

Have a look what the booklet for  
XYZ(50.5636, 49.5721, 53.3577)  
contains.

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# Color

**XYZ(50.5636, 49.5721,  
53.3577)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDB5BA
RGB	205, 181, 186
RGB Percent	80%, 71%, 73%
CMY	0.1961, 0.2902, 0.2706
CMYK	0.00, 0.12, 0.09, 0.20
HSL	348°, 19%, 76%
HSV	348°, 12%, 80%
XYZ	50.5636, 49.5721, 53.3577
YIQ	188.7460, 12.6990, 6.6430

# Conversions

## Conversions Part 2

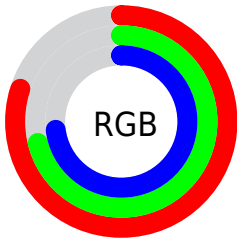
Format	Color
RYB	205, 181, 186
Decimal	13481402
CIELab	75.81, 9.42, 0.61
CIELCh	76, 9.443, 3.681
Yxy	49.5721, 0.3294, 0.3230
Android (android.graphics.Color)	4291671482 (0xFFCDB5BA)
YUV	188.7460, -1.3538, 14.2548
Hunter-Lab	70.4075, 4.9780, 4.3528

# Details

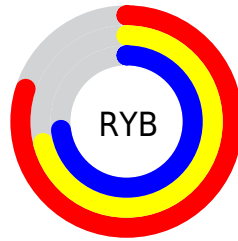
The XYZ color **50.5636, 49.5721, 53.3577** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.3146, 57.6577, 63.0709**, and the grayscale version is **48.2283, 50.7399, 55.2557**.

A 20% lighter version of the original color is **87.5512, 88.2392, 96.4218**, and **24.7153, 23.7111, 25.4644** is the 20% darker color. If you saturate the color by 10%, you get **45.0695, 41.1899, 43.4909**, and if you desaturate by 10%, it is **56.8699, 59.2638, 64.4635**.

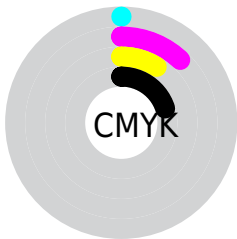
# Distribution



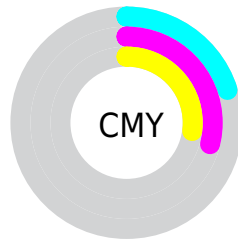
- Red (80%)
- Green (71%)
- Blue (73%)



- Red (80%)
- Yellow (71%)
- Blue (73%)



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




- Cyan (20%)
- Magenta (29%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5636, 49.5721, 53.3577 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 50.5636, 49.5721, 53.3577 by changing the saturation by 10% instead.





 50.5636, 49.5721,  
53.3577

 50.5636, 49.5721,  
53.3577


379.2815,  
384.9902, 416.7611

 36.0811, 35.0735,  
37.6987


 90.1962, 89.5406,  
96.5774

 24.6672, 23.7195,  
25.4489


116.0770,  
115.7792, 124.9752

 15.9567, 15.1257,  
16.1898


146.4879,  
146.7000, 158.4563

 9.5842, 8.9076,  
9.5027

181.7942,  
182.6874, 197.4393

 5.1843, 4.6810,  
4.9693

222.3614,  
224.1257, 242.3428

 2.3916, 2.0613,  
2.1708

268.5548,

 0.8409, 0.6427,

271.3994, 293.5852

0.6575

320.7397,  
324.8927, 351.5851

■ 0.0000, 0.0000,  
0.0000

■ 50.5636, 49.5721,  
53.3577

■ 50.5636, 49.5721,  
53.3577

■ 45.0695, 41.1899,  
43.4909

■ 56.8699, 59.2638,  
64.4635

■ 40.3501, 34.0546,  
34.8168

■ 64.0155, 70.3109,  
76.8464

■ 36.3714, 28.1083,  
27.2905

■ 72.0314, 82.7654,  
90.5465

■ 33.0951, 23.2861,  
20.8633

■ 78.3383, 91.4598,  
104.7323

■ 30.4791, 19.5167,  
15.4828

■ 78.9870, 91.7192,  
108.1483

■ 28.4772, 16.7206,  
11.0921

■ 27.0365, 14.8068,  
7.6288

■ 26.0950, 13.6672,  
5.0229

■ 25.6073, 13.1513,  
3.4439

# Harmonies

## Analogous

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



50.2053, 49.5721, 58.3727



50.5636, 49.5721, 53.3577



49.9797, 49.5721, 48.7937

# Triad

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



50.5636, 49.5721, 53.3577



45.2709, 49.5721, 46.3297



45.6371, 49.5721, 63.1055

# Complementary

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



50.5636, 49.5721, 53.3577



51.3146, 57.6577, 63.0709

# 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.



44.3654, 49.5721, 59.5119



50.5636, 49.5721, 53.3577



44.1577, 49.5721, 49.8050

# Square

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



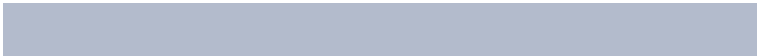
50.5636, 49.5721, 53.3577



46.9005, 49.5721, 44.8981



43.8303, 49.5721, 54.5982



47.3337, 49.5721, 64.2009



# Rectangle

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



50.5636, 49.5721, 53.3577



49.1429, 49.5721, 46.5603



43.8303, 49.5721, 54.5982



45.1472, 49.5721, 62.1391

# Sweetspot

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



50.5650, 49.5743, 53.3588



90.6087, 93.1546, 101.1390



51.3109, 49.7097, 64.6486



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.



50.5650, 49.5743, 53.3588



80.4781, 77.6110, 83.2187



51.4594, 52.1983, 51.0819



11.3063, 11.2512, 12.1475



15.9697, 8.1985, 2.2930



0.8522, 0.4343, 0.2676



# Inverse Universe

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



50.5650, 49.5743, 53.3588



80.4781, 77.6110, 83.2187



50.3171, 54.7127, 65.6667



11.3063, 11.2512, 12.1475



15.9697, 8.1985, 2.2930



0.8522, 0.4343, 0.2676



# Previews

## White Background



This preview shows how the XYZ color 50.5636, 49.5721, 53.3577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

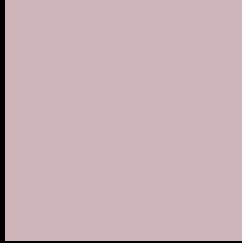
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.5636, 49.5721, 53.3577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

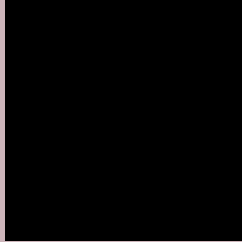
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.5636, 49.5721, 53.3577**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.5636, 49.5721, 53.3577.



This preview shows how white text looks on a background with the XYZ color 50.5636, 49.5721,



# 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

50.5636, 49.5721, 53.3577

### Protanopia

47.9794, 49.7391, 55.2159

### Deuteranopia

50.5636, 49.5721, 53.3577



## Tritanopia

51.5125, 49.6594, 57.9092

# Trichromacy



## Original Color

50.5636, 49.5721, 53.3577

## Protanomaly

48.7233, 49.5139, 54.5661

## Deuteranomaly

50.5636, 49.5721, 53.3577

## Tritanomaly

51.1788, 49.5259, 56.1523

# Monochromacy



## Original Color

50.5636, 49.5721, 53.3577

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

49.1417, 50.3508, 54.7056

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.5636, 49.5721, 53.3577 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(205, 181, 186)` looks like.

```
.text, #text, p{  
    color:rgb(205, 181, 186)  
}
```

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(205, 181, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 181, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 50.5636, 49.5721, 53.3577 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(205, 181, 186) }
```



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

```
.border{ border-color:rgb(205, 181, 186) }
```

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

Here you see how a box with a 4 pixel rgb(205, 181, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 181, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 181, 186);  
box-shadow:4px 4px 4px 4px rgb(205, 181,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.5636, 49.5721, 53.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 181, 186) }
```

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

```
.background{ background-color: rgb(205,  
181, 186) }
```

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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