

# Converting Colors

XYZ(49.6256, 51.0344, 49.3545)

Have a look what the booklet for  
XYZ(49.6256, 51.0344, 49.3545)  
contains.

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# Color

**XYZ(49.6256, 51.0344,  
49.3545)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8BBB2
RGB	200, 187, 178
RGB Percent	78%, 73%, 70%
CMY	0.2157, 0.2666, 0.3020
CMYK	0.00, 0.06, 0.11, 0.22
HSL	25°, 17%, 74%
HSV	25°, 11%, 78%
XYZ	49.6256, 51.0344, 49.3545
YIQ	189.8610, 10.6370, -0.0430

# Conversions

## Conversions Part 2

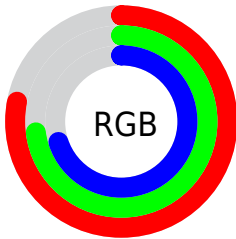
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">200, 193, 178</a>
Decimal	<a href="#">13155250</a>
CIELab	<a href="#">76.70, 3.05, 6.19</a>
CIElCh	<a href="#">77, 6.904, 63.791</a>
Yxy	<a href="#">51.0344, 0.3308, 0.3402</a>
Android (android.graphics.Color)	<a href="#">4291345330</a> ( <a href="#">0xFFC8BBB2</a> )
YUV	<a href="#">189.8610, -5.8475, 8.8919</a>
Hunter-Lab	<a href="#">71.4384, -1.0198, 9.0453</a>

# Details

The XYZ color **49.6256, 51.0344, 49.3545** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.4159, 50.8956, 61.9687**, and the grayscale version is **48.8930, 51.4393, 56.0174**.

A 20% lighter version of the original color is **88.1419, 91.3017, 90.8193**, and **24.0808, 24.6419, 22.8892** is the 20% darker color. If you saturate the color by 10%, you get **45.3583, 45.4823, 38.7366**, and if you desaturate by 10%, it is **54.3947, 57.1206, 61.5854**.

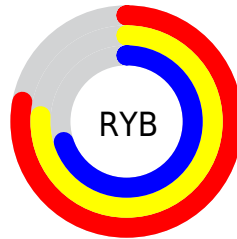
# Distribution



Red (78%)

Green (73%)

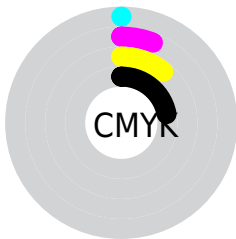
Blue (70%)



Red (78%)

Yellow (76%)

Blue (70%)

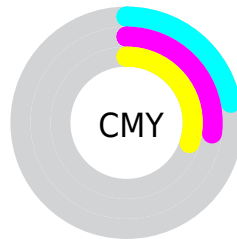


Cyan (0%)

Magenta (6%)

Yellow (11%)

Black (22%)



Cyan (22%)

Magenta (27%)

Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6256, 51.0344, 49.3545 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 49.6256, 51.0344, 49.3545 by changing the saturation by 10% instead.





 49.6256, 51.0344,  
49.3545

 49.6256, 51.0344,  
49.3545


375.6762,  
390.6974, 400.7988

 35.3326, 36.2360,  
34.5332


 88.8150, 91.7056,  
90.6042

 24.0869, 24.6165,  
23.0228


114.4422,  
118.3472, 117.8696

 15.5232, 15.7916,  
14.4049


144.5781,  
149.7053, 150.1202

 9.2761, 9.3768,  
8.2609

179.5881,  
186.1643, 187.7744

 4.9802, 4.9878,  
4.1722

219.8375,  
228.1087, 231.2508

 2.2703, 2.2401,  
1.7203

265.6918,

 0.7794, 0.7417,

275.9227, 280.9680

0.3746

317.5163,  
329.9908, 337.3445

■ 0.0000, 0.0000,  
0.0000

■ 49.6256, 51.0344,  
49.3545

■ 49.6256, 51.0344,  
49.3545

■ 45.3583, 45.4823,  
38.7366

■ 54.3947, 57.1206,  
61.5854

■ 41.5712, 40.4425,  
29.6603

■ 59.6782, 63.7485,  
75.4899

■ 38.2468, 35.9018,  
22.0538

■ 65.4931, 70.9339,  
91.1298

■ 35.3654, 31.8436,  
15.8380

■ 71.3675, 78.4952,  
105.9974

■ 32.9051, 28.2502,  
10.9264

■ 74.8491, 85.4584,  
107.1579

■ 30.8423, 25.1029,  
7.2229

■ 77.6296, 91.0195,  
108.0847

■ 29.1503, 22.3811,  
4.6174

■ 27.7984, 20.0623,  
2.9796

■ 26.8260, 18.2922,  
2.1169

# Harmonies

## Analogous

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



50.6264, 51.0344, 51.6584



49.6256, 51.0344, 49.3545



48.3406, 51.0344, 48.6880

# Triad

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



49.6256, 51.0344, 49.3545



46.0409, 51.0344, 56.0452



49.9185, 51.0344, 61.7695

# Complementary

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



49.6256, 51.0344, 49.3545



47.4159, 50.8956, 61.9687

# 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.



48.6731, 51.0344, 63.0669



49.6256, 51.0344, 49.3545



46.4470, 51.0344, 59.6695

# Square

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



49.6256, 51.0344, 49.3545



46.2857, 51.0344, 52.4479



47.4047, 51.0344, 62.2818



50.7976, 51.0344, 58.8091



# Rectangle

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



49.6256, 51.0344, 49.3545



47.4995, 51.0344, 49.2359



47.4047, 51.0344, 62.2818



49.5280, 51.0344, 62.4205

# Sweetspot

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



49.6270, 51.0366, 49.3556



92.4178, 96.6675, 102.0669



49.1664, 47.8912, 56.0588



19.6336, 20.5033, 21.4653



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

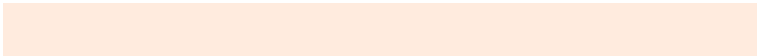


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.6270, 51.0366, 49.3556



84.2327, 86.1818, 81.1971



52.0042, 55.7910, 50.1480



10.9844, 11.3379, 11.1723



17.1401, 11.7974, 1.3738



0.8825, 0.7005, 0.0887

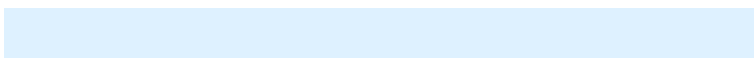


# Inverse Universe

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



47.4159, 50.8956, 61.9687



79.7118, 85.8929, 106.9855



45.1477, 46.3591, 61.2127



10.5687, 11.3114, 13.5438



10.8489, 11.0917, 36.3135



0.5837, 0.6652, 1.7428



# Previews

## White Background



This preview shows how the XYZ color 49.6256, 51.0344, 49.3545 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 49.6256, 51.0344, 49.3545 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

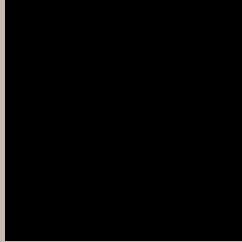
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

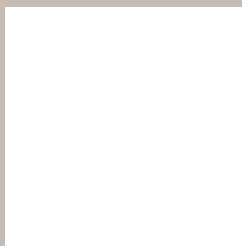
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 49.6256, 51.0344, 49.3545

## Background



This preview shows how black text looks on a background with the XYZ color 49.6256, 51.0344, 49.3545.



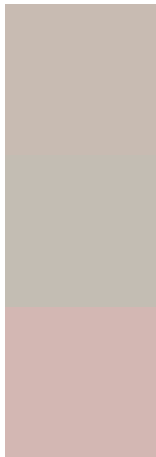
This preview shows how white text looks on a background with the XYZ color 49.6256, 51.0344,



# 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

49.6256, 51.0344, 49.3545

### Protanopia

48.8400, 51.2520, 49.9663

### Deuteranopia

51.9341, 50.9705, 49.7489



## Tritanopia

51.9621, 51.0547, 60.5419

# Trichromacy



## Original Color

49.6256, 51.0344, 49.3545

## Protanomaly

49.1459, 51.0914, 49.9192

## Deuteranomaly

51.0093, 50.8011, 49.7649

## Tritanomaly

51.1101, 51.0161, 56.4435

# Monochromacy



## Original Color

49.6256, 51.0344, 49.3545

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

49.3087, 51.4097, 53.7786

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.6256, 51.0344, 49.3545 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(200, 187, 178)` looks like.

```
.text, #text, p{  
    color:rgb(200, 187, 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(200, 187, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 187, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 49.6256, 51.0344, 49.3545 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(200, 187, 178) }
```



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

```
.border{ border-color:rgb(200, 187, 178) }
```

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

Here you see how a box with a 4 pixel rgb(200, 187, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 187, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 187, 178);  
box-shadow:4px 4px 4px 4px rgb(200, 187,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.6256, 51.0344, 49.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 187, 178) }
```

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

```
.background{ background-color: rgb(200,  
187, 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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