

# Converting Colors

XYZ(50.2324, 50.7573, 61.7932)

Have a look what the booklet for  
XYZ(50.2324, 50.7573, 61.7932)  
contains.

<b>XYZ(50.2324, 50.7573, 61.7932)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(50.2324, 50.7573,  
61.7932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2BAC8
RGB	194, 186, 200
RGB Percent	76%, 73%, 78%
CMY	0.2392, 0.2706, 0.2157
CMYK	0.03, 0.07, 0.00, 0.22
HSL	274°, 11%, 76%
HSV	274°, 7%, 78%
XYZ	50.2324, 50.7573, 61.7932
YIQ	189.9880, 0.2740, 6.0500

# Conversions

## Conversions Part 2

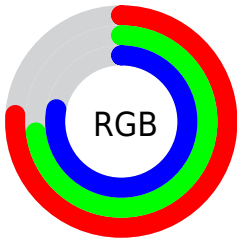
Format	Color
<a href="#">RYB</a>	<a href="#">194, 186, 200</a>
Decimal	<a href="#">12761800</a>
CIELab	<a href="#">76.53, 5.41, -6.05</a>
CIELCh	<a href="#">77, 8.114, 311.800</a>
Yxy	<a href="#">50.7573, 0.3086, 0.3118</a>
Android (android.graphics.Color)	<a href="#">4290951880 (0xFFC2BAC8)</a>
YUV	<a href="#">189.9880, 4.9359, 3.5185</a>
Hunter-Lab	<a href="#">71.2442, 1.1784, -1.5539</a>

# Details

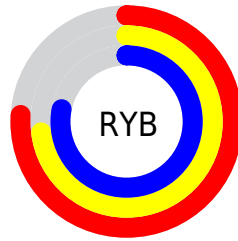
The XYZ color **50.2324, 50.7573, 61.7932** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.2573, 56.0615, 54.5763**, and the grayscale version is **48.9103, 51.4574, 56.0371**.

A 20% lighter version of the original color is **89.2265, 91.0483, 107.4791**, and **24.3911, 24.4258, 30.6232** is the 20% darker color. If you saturate the color by 10%, you get **44.1736, 41.8119, 60.3867**, and if you desaturate by 10%, it is **57.0108, 60.9519, 63.4045**.

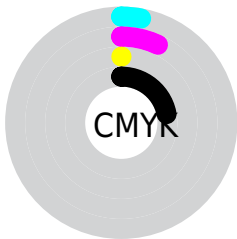
# Distribution



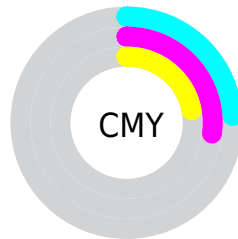
- Red (76%)
- Green (73%)
- Blue (78%)



- Red (76%)
- Yellow (73%)
- Blue (78%)



- Cyan (3%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)



- Cyan (24%)
- Magenta (27%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2324, 50.7573, 61.7932 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 50.2324, 50.7573, 61.7932 by changing the saturation by 10% instead.



■ 50.2324, 50.7573,  
61.7932

■ 50.2324, 50.7573,  
61.7932

378.0111,  
389.6201, 449.1632

■ 35.8166, 36.0155,  
44.4309

■ 89.7089, 91.2959,  
108.9953

■ 24.4621, 24.4462,  
30.6697

115.5003,  
117.8615, 139.6722

■ 15.8033, 15.6649,  
20.0911

145.8144,  
149.1372, 175.6243

■ 9.4751, 9.2874,  
12.2766

181.0163,  
185.5073, 217.2703

■ 5.1119, 4.9291,  
6.8075

221.4717,  
227.3562, 265.0286

■ 2.3485, 2.2057,  
3.2654

267.5456,

■ 0.8193, 0.7231,

275.0684, 319.3179

1.2317

319.6037,  
329.0283, 380.5565

■ 0.0000, 0.0000,  
0.0048

■ 0.0000, 0.0000,  
0.0000

■ 50.2324, 50.7573,  
61.7932

■ 50.2324, 50.7573,  
61.7932

■ 44.1736, 41.8119,  
60.3867

■ 57.0108, 60.9519,  
63.4045

■ 38.8035, 34.0594,  
59.1733

■ 64.5295, 72.4363,  
65.2249

■ 34.0955, 27.4488,  
58.1455

■ 72.8136, 85.2569,  
67.2629

■ 30.0190, 21.9227,  
57.2937

■ 78.2738, 92.2323,  
68.3215

■ 26.5413, 17.4187,  
56.6076

■ 81.0662, 93.6719,  
68.4522

■ 23.6260, 13.8678,  
56.0759

■ 83.9955, 95.1820,  
68.5893

■ 21.2325, 11.1919,  
55.6855

■ 87.0635, 96.7636,  
68.7329

■ 19.3133, 9.3005,  
55.4216

■ 87.4255, 96.9502,  
68.7498

■ 17.8057, 8.0716,  
55.2639

# Harmonies

## Analogous

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



48.8479, 50.7573, 63.9375



50.2324, 50.7573, 61.7932



51.0946, 50.7573, 57.9417

# Triad

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



50.2324, 50.7573, 61.7932



49.1687, 50.7573, 47.6368



45.4183, 50.7573, 57.0083

# Complementary

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



50.2324, 50.7573, 61.7932



51.2573, 56.0615, 54.5763

# 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.



45.5001, 50.7573, 52.6741



50.2324, 50.7573, 61.7932



47.6437, 50.7573, 47.4164

# Square

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



50.2324, 50.7573, 61.7932



50.4716, 50.7573, 49.8343



46.3074, 50.7573, 49.2156



46.0816, 50.7573, 61.0788



# Rectangle

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



50.2324, 50.7573, 61.7932



51.2463, 50.7573, 55.0017



46.3074, 50.7573, 49.2156



45.3600, 50.7573, 55.5313

# Sweetspot

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



50.2339, 50.7595, 61.7943



92.6448, 96.3768, 108.3274



49.5413, 52.3398, 62.1359



19.8550, 20.6666, 23.1925



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.



50.2339, 50.7595, 61.7943



85.7396, 86.0469, 106.6975



51.6964, 51.5260, 61.2951



10.6270, 10.5815, 13.3998



11.1677, 4.9914, 35.1192



0.6105, 0.2785, 1.6667



# Inverse Universe

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



50.8945, 51.2052, 57.0729



87.0637, 86.9398, 97.2594



49.8684, 55.3340, 55.0309



10.8194, 10.7112, 12.0324



16.2494, 8.2493, 6.5230



0.8055, 0.4051, 0.4991



# Previews

## White Background



This preview shows how the XYZ color 50.2324, 50.7573, 61.7932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

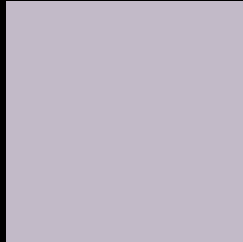
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.2324, 50.7573, 61.7932 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

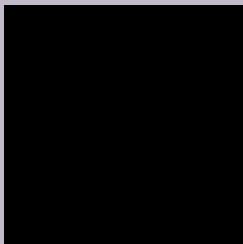
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.2324, 50.7573, 61.7932**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.2324, 50.7573, 61.7932.



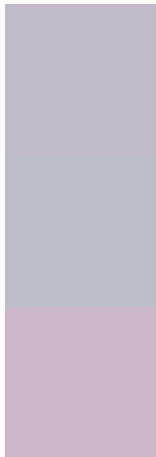
This preview shows how white text looks on a background with the XYZ color 50.2324, 50.7573,

61.7932.

# 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

50.2324, 50.7573, 61.7932

### Protanopia

49.5121, 51.0023, 62.4932

### Deuteranopia

51.8332, 50.6406, 62.3010



## Tritanopia

50.3497, 50.8042, 62.4108

# Trichromacy



## Original Color

50.2324, 50.7573, 61.7932

## Protanomaly

49.7988, 50.8341, 62.4456

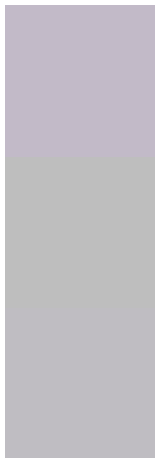
## Deuteranomaly

51.2363, 50.6401, 62.3324

## Tritanomaly

50.3497, 50.8042, 62.4108

# Monochromacy



## Original Color

50.2324, 50.7573, 61.7932

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

49.4211, 51.3666, 58.3489

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.2324, 50.7573, 61.7932 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(194, 186, 200)` looks like.

```
.text, #text, p{  
    color:rgb(194, 186, 200)  
}
```

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(194, 186, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 186, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 50.2324, 50.7573, 61.7932 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(194, 186, 200) }
```



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

```
.border{ border-color:rgb(194, 186, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 186, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 186, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 186, 200);  
box-shadow:4px 4px 4px 4px rgb(194, 186,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.2324, 50.7573, 61.7932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 186, 200) }
```

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

```
.background{ background-color: rgb(194,  
186, 200) }
```

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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