

Converting Colors

XYZ(49.6684, 50.5229, 63.5569)

Have a look what the booklet for
XYZ(49.6684, 50.5229, 63.5569)
contains.

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Color

**XYZ(49.5736, 50.3768,
63.6108)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBACB
RGB	190, 186, 203
RGB Percent	75%, 73%, 80%
CMY	0.2549, 0.2706, 0.2039
CMYK	0.06, 0.08, 0.00, 0.20
HSL	254°, 14%, 76%
HSV	254°, 8%, 80%
XYZ	49.5736, 50.3768, 63.6108
YIQ	189.1340, -3.0730, 6.1350

Conversions

Conversions Part 2

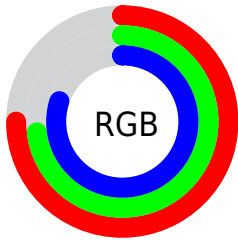
Format	Color
R _Y B	190, 186, 203
Decimal	12499659
CIE Lab	76.30, 4.63, -8.06
CIE LCh	76, 9.293, 299.898
Yxy	50.3768, 0.3031, 0.3080
Android (android.graphics.Color)	4290689739 (0xFFBEBACB)
YUV	189.1340, 6.8359, 0.7595
Hunter-Lab	70.9766, 0.4642, -3.4534

Details

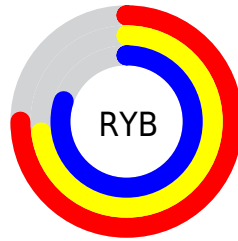
The XYZ color **49.5736, 50.3768, 63.6108** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.7740, 58.4005, 54.8952**, and the grayscale version is **48.4111, 50.9322, 55.4652**.

A 20% lighter version of the original color is **87.8082, 90.3171, 107.4127**, and **24.1289, 24.2633, 31.8453** is the 20% darker color. If you saturate the color by 10%, you get **41.9238, 40.5303, 62.1142**, and if you desaturate by 10%, it is **58.2471, 61.6557, 65.3315**.

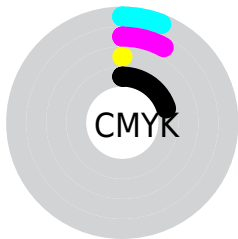
Distribution



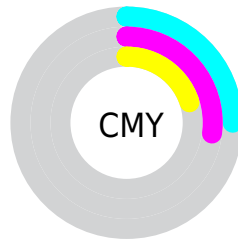
- Red (75%)
- Green (73%)
- Blue (80%)



- Red (75%)
- Yellow (73%)
- Blue (80%)



- Cyan (6%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (25%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5736, 50.3768, 63.6108 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 49.5736, 50.3768, 63.6108 by changing the saturation by 10% instead.

■ 49.5736, 50.3768,
63.6108

■ 49.5736, 50.3768,
63.6108

375.4757,
388.1376, 455.9516

■ 35.2911, 35.7129,
45.8913

■ 88.7384, 90.7329,
111.6443

■ 24.0548, 24.2125,
31.8120

114.3514,
117.1939, 142.7954

■ 15.4992, 15.4914,
20.9543

144.4720,
148.3560, 179.2609

■ 9.2591, 9.1650,
12.8997

179.4655,
184.6037, 221.4592

■ 4.9690, 4.8489,
7.2296

219.6973,
226.3213, 269.8089

■ 2.2637, 2.1589,
3.5255

265.5326,

■ 0.7760, 0.6974,

273.8932, 324.7285

1.3688

317.3370,
327.7039, 386.6365

■ 0.0000, 0.0000,
0.1172

■ 0.0000, 0.0000,
0.0000

■ 49.5736, 50.3768,
63.6108

■ 49.5736, 50.3768,
63.6108

■ 41.9238, 40.5303,
62.1142

■ 58.2471, 61.6557,
65.3315

■ 35.2548, 32.0521,
60.8292

■ 67.9761, 74.4148,
67.2815

■ 29.5274, 24.8829,
59.7473

■ 78.7966, 88.7077,
69.4700

■ 24.6977, 18.9563,
58.8579

■ 86.7233, 96.5473,
70.5654

■ 20.7184, 14.2000,
58.1496

■ 87.7796, 97.0919,
70.6148

■ 17.5376, 10.5344,
57.6097

■ 15.0973, 7.8694,
57.2239

■ 13.3308, 6.0999,
56.9755

■ 12.1439, 5.0684,
56.8389

Harmonies

Analogous

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



47.8757, 50.3768, 65.0328



49.5736, 50.3768, 63.6108



50.8434, 50.3768, 59.8136

Triad

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



49.5736, 50.3768, 63.6108



49.5842, 50.3768, 46.9516



44.6042, 50.3768, 54.8346

Complementary

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



49.5736, 50.3768, 63.6108



53.7740, 58.4005, 54.8952

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.



45.0372, 50.3768, 50.1722



49.5736, 50.3768, 63.6108



47.8876, 50.3768, 45.7929

Square

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



49.5736, 50.3768, 63.6108



50.8496, 50.3768, 50.2002



46.2286, 50.3768, 46.9361



45.0315, 50.3768, 59.7822

Rectangle

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



49.5736, 50.3768, 63.6108



51.2614, 50.3768, 56.5545



46.2286, 50.3768, 46.9361



44.6538, 50.3768, 53.1835

Sweetspot

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



49.5751, 50.3789, 63.6119



90.5379, 94.1229, 108.0034



51.4620, 55.6147, 64.5231



19.1266, 19.8182, 23.0672



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.



49.5751, 50.3789, 63.6119



80.6330, 81.2825, 106.0470



51.7520, 51.5012, 63.7138



10.8446, 10.9692, 14.1161



7.6959, 3.1749, 36.1635



0.4665, 0.1996, 1.8689

Inverse Universe

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



52.4981, 51.9402, 61.2940



86.4973, 84.4155, 101.3603



51.5892, 57.2743, 54.7929



11.5703, 11.3569, 13.5380



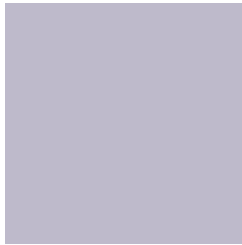
19.4895, 9.6064, 20.8282



1.0335, 0.5068, 1.2224

Previews

White Background



This preview shows how the XYZ color 49.5736, 50.3768, 63.6108 looks on a white background.

Color Contrast Check

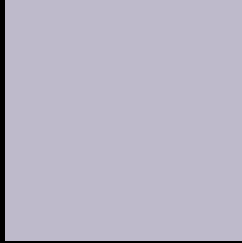
Large Text (above 18pt) WCAG AA × Fail

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 49.5736, 50.3768, 63.6108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

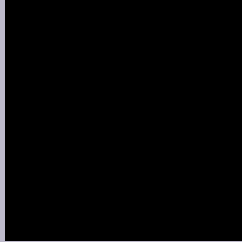
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5736, 50.3768, 63.6108

Background



This preview shows how black text looks on a background with the XYZ color 49.5736, 50.3768, 63.6108.

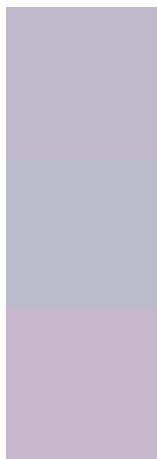


This preview shows how white text looks on a background with the XYZ color 49.5736, 50.3768,

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

49.5736, 50.3768, 63.6108

Protanopia

49.1629, 50.4651, 64.2763

Deuteranopia

51.3858, 50.3687, 64.1406



Tritanopia

49.3367, 50.2820, 62.3634

Trichromacy



Original Color

49.5736, 50.3768, 63.6108

Protanomaly

49.4084, 50.5916, 64.2878

Deuteranomaly

50.8045, 50.3764, 64.1727

Tritanomaly

49.4548, 50.3292, 62.9851

Monochromacy



Original Color

49.5736, 50.3768, 63.6108

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.7071, 50.6803, 58.2541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5736, 50.3768, 63.6108 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(190, 186, 203)` looks like.

```
.text, #text, p{  
    color:rgb(190, 186, 203)  
}
```

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(190, 186, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 186, 203) }
```

Border

The CSS property to change the border of an element to XYZ 49.5736, 50.3768, 63.6108 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(190, 186, 203) }
```


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

```
.border{ border-color:rgb(190, 186, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 186, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 186, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 186, 203);  
box-shadow:4px 4px 4px 4px rgb(190, 186,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5736, 50.3768, 63.6108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 186, 203) }
```

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

```
.background{ background-color: rgb(190,  
186, 203) }
```

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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