

Converting Colors

XYZ(49.1102, 50.5382, 59.8108)

Have a look what the booklet for
XYZ(49.1102, 50.5382, 59.8108)
contains.

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Color

**XYZ(49.0836, 50.5190,
59.9875)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBBC5
RGB	190, 187, 197
RGB Percent	75%, 73%, 77%
CMY	0.2549, 0.2666, 0.2274
CMYK	0.04, 0.05, 0.00, 0.23
HSL	258°, 8%, 75%
HSV	258°, 5%, 77%
XYZ	49.0836, 50.5190, 59.9875
YIQ	189.0370, -1.4220, 3.7460

Conversions

Conversions Part 2

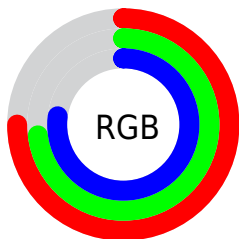
Format	Color
R_{YB}	190, 187, 197
Decimal	12499909
CIE _{Lab}	76.39, 2.93, -4.67
CIE _{LCh}	76, 5.511, 302.085
Yxy	50.5190, 0.3076, 0.3166
Android (android.graphics.Color)	4290689989 (0xFFBEBBC5)
YUV	189.0370, 3.9258, 0.8446
Hunter-Lab	71.0767, -1.1171, -0.2860

Details

The XYZ color **49.0836, 50.5190, 59.9875** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.1859, 54.9910, 54.9327**, and the grayscale version is **48.3710, 50.8901, 55.4193**.

A 20% lighter version of the original color is **87.9460, 90.8498, 106.6664**, and **23.7996, 24.3517, 29.4326** is the 20% darker color. If you saturate the color by 10%, you get **41.9042, 41.0347, 58.5360**, and if you desaturate by 10%, it is **57.1653, 61.3224, 61.6476**.

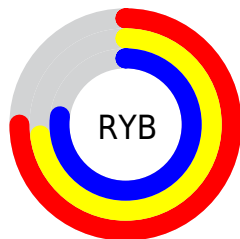
Distribution



Red (75%)

Green (73%)

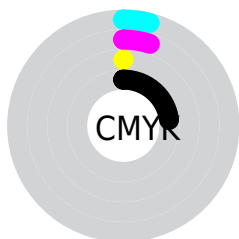
Blue (77%)



Red (75%)

Yellow (73%)

Blue (77%)

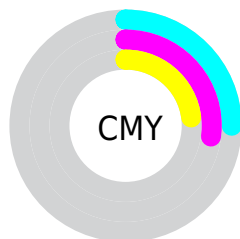


Cyan (4%)

Magenta (5%)

Yellow (0%)

Black (23%)



Cyan (25%)

Magenta (27%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0836, 50.5190, 59.9875 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 49.0836, 50.5190, 59.9875 by changing the saturation by 10% instead.

■ 49.0836, 50.5190,
59.9875

■ 49.0836, 50.5190,
59.9875

373.5828,
388.6921, 442.3551

■ 34.9006, 35.8260,
42.9833

■ 88.0156, 90.9434,
106.3547

■ 23.7525, 24.2998,
29.5407

113.4953,
117.4435, 136.5549

■ 15.2739, 15.5562,
19.2412

143.4713,
148.6481, 171.9907

■ 9.0994, 9.2106,
11.6661

178.3089,
184.9416, 213.0809

■ 4.8637, 4.8788,
6.3970

218.3735,
226.7083, 260.2439

■ 2.2014, 2.1763,
3.0153

264.0305,

■ 0.7435, 0.7070,

274.3327, 313.8982

1.1024

315.6451,
328.1992, 374.4624

■ 0.0000, 0.0000,
0.0000

■ 49.0836, 50.5190,
59.9875

■ 49.0836, 50.5190,
59.9875

■ 41.9042, 41.0347,
58.5360

■ 57.1653, 61.3224,
61.6476

■ 35.5907, 32.8119,
57.2816

■ 66.1755, 73.4865,
63.5206

■ 30.1101, 25.7985,
56.2167

■ 76.1446, 87.0593,
65.6150

■ 25.4261, 19.9360,
55.3320

■ 83.5561, 94.9956,
66.7562

■ 21.4991, 15.1610,
54.6173

■ 87.0782, 96.8113,
66.9210

■ 18.2864, 11.4040,
54.0615

■ 15.7402, 8.5870,
53.6520

■ 13.8064, 6.6202,
53.3743

■ 12.4207, 5.3952,
53.2108

Harmonies

Analogous

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



48.0894, 50.5190, 60.9122



49.0836, 50.5190, 59.9875



49.8001, 50.5190, 57.7232

Triad

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



49.0836, 50.5190, 59.9875



48.9562, 50.5190, 50.1139



46.0518, 50.5190, 55.2146

Complementary

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



49.0836, 50.5190, 59.9875



51.1859, 54.9910, 54.9327

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.



46.2765, 50.5190, 52.3766



49.0836, 50.5190, 59.9875



47.9443, 50.5190, 49.4956

Square

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



49.0836, 50.5190, 59.9875



49.7259, 50.5190, 52.0291



46.9656, 50.5190, 50.3093



46.3473, 50.5190, 58.0956

Rectangle

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



49.0836, 50.5190, 59.9875



50.0187, 50.5190, 55.7966



46.9656, 50.5190, 50.3093



46.0690, 50.5190, 54.2241

Sweetspot

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



49.0851, 50.5212, 59.9886



92.1429, 96.1181, 108.3039



49.9022, 53.2554, 60.4733



19.7529, 20.6139, 23.1877



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.



49.0851, 50.5212, 59.9886



86.5298, 88.6482, 107.1579



50.3126, 51.1540, 60.0461



10.8187, 11.0589, 13.4819



7.8920, 3.3027, 34.9659



0.4480, 0.1947, 1.6591

Inverse Universe

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



50.5356, 51.3082, 58.2813



89.6320, 90.3317, 103.4939



49.9652, 54.3618, 54.8756



11.2391, 11.2871, 12.9844



18.1979, 9.0287, 16.7841



0.8926, 0.4399, 0.9574

Previews

White Background



This preview shows how the XYZ color 49.0836, 50.5190, 59.9875 looks on a white background.

Color Contrast Check

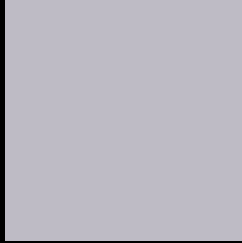
Large Text (above 18pt) WCAG AA × Fail

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 49.0836, 50.5190, 59.9875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

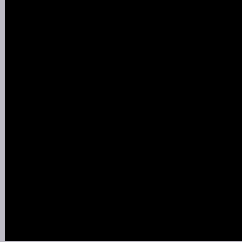
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0836, 50.5190, 59.9875

Background



This preview shows how black text looks on a background with the XYZ color 49.0836, 50.5190, 59.9875.

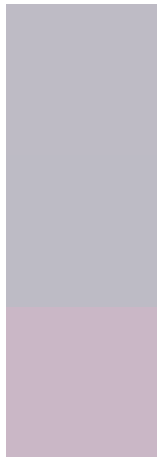


This preview shows how white text looks on a background with the XYZ color 49.0836, 50.5190,

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

49.0836, 50.5190, 59.9875

Protanopia

48.8346, 50.3907, 59.9758

Deuteranopia

51.4836, 50.5007, 60.4602



Tritanopia

49.5874, 50.4112, 62.3751

Trichromacy



Original Color

49.0836, 50.5190, 59.9875

Protanomaly

48.8346, 50.3907, 59.9758

Deuteranomaly

50.6222, 50.3640, 60.4792

Tritanomaly

49.4701, 50.3643, 61.7575

Monochromacy



Original Color

49.0836, 50.5190, 59.9875

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.4839, 50.5910, 57.0788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0836, 50.5190, 59.9875 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, 187, 197) looks like.

```
.text, #text, p{  
    color:rgb(190, 187, 197)  
}
```

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, 187, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 187, 197) }
```

Border

The CSS property to change the border of an element to XYZ 49.0836, 50.5190, 59.9875 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, 187, 197) }
```


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

```
.border{ border-color:rgb(190, 187, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 187, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 187, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 187, 197);  
box-shadow:4px 4px 4px 4px rgb(190, 187,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0836, 50.5190, 59.9875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 187, 197) }
```

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

```
.background{ background-color: rgb(190,  
187, 197) }
```

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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