

Converting Colors

XYZ(49.4234, 50.0698, 59.8890)

Have a look what the booklet for
XYZ(49.4234, 50.0698, 59.8890)
contains.

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Color

**XYZ(49.4193, 50.0666,
59.8825)**

Conversions

Conversions Part 1

Format	Color
Hex	C1B9C5
RGB	193, 185, 197
RGB Percent	76%, 73%, 77%
CMY	0.2431, 0.2745, 0.2274
CMYK	0.02, 0.06, 0.00, 0.23
HSL	280°, 9%, 75%
HSV	280°, 6%, 77%
XYZ	49.4193, 50.0666, 59.8825
YIQ	188.7600, 0.9160, 5.4280

Conversions

Conversions Part 2

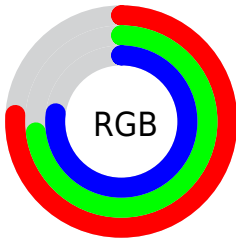
Format	Color
R _Y B	193, 185, 197
Decimal	12696005
CIE Lab	76.11, 5.03, -5.05
CIE LCh	76, 7.130, 314.894
Yxy	50.0666, 0.3101, 0.3142
Android (android.graphics.Color)	4290886085 (0xFFC1B9C5)
YUV	188.7600, 4.0623, 3.7185
Hunter-Lab	70.7578, 0.8436, -0.6469

Details

The XYZ color **49.4193, 50.0666, 59.8825** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.7114, 54.2555, 53.7538**, and the grayscale version is **48.2111, 50.7218, 55.2360**.

A 20% lighter version of the original color is **88.4116, 90.2061, 106.5177**, and **23.8567, 23.9747, 29.3568** is the 20% darker color. If you saturate the color by 10%, you get **43.9433, 41.5449, 58.5270**, and if you desaturate by 10%, it is **55.5436, 59.7730, 61.4340**.

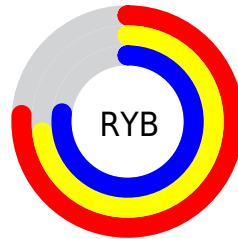
Distribution



Red (76%)

Green (73%)

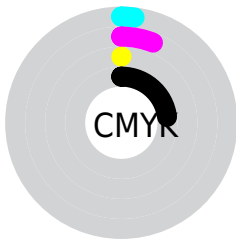
Blue (77%)



Red (76%)

Yellow (73%)

Blue (77%)

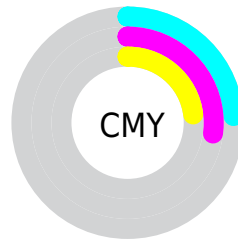


Cyan (2%)

Magenta (6%)

Yellow (0%)

Black (23%)



Cyan (24%)

Magenta (27%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4193, 50.0666, 59.8825 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 49.4193, 50.0666, 59.8825 by changing the saturation by 10% instead.

■ 49.4193, 50.0666,
59.8825

■ 49.4193, 50.0666,
59.8825

374.8803,
386.9263, 441.9571

■ 35.1681, 35.4663,
42.8993

■ 88.5109, 90.2735,
106.2009

■ 23.9595, 24.0223,
29.4753

114.0820,
116.6490, 136.3731

■ 15.4282, 15.3502,
19.1920

144.1571,
147.7183, 171.7788

■ 9.2087, 9.0655,
11.6309

179.1016,
183.8658, 212.8364

■ 4.9358, 4.7839,
6.3734

219.2808,
225.4760, 259.9645

■ 2.2440, 2.1211,
3.0010

265.0601,

■ 0.7658, 0.6764,

272.9332, 313.5816

1.0951

316.8048,
326.6219, 374.1063

■ 0.0000, 0.0000,
0.0000

■ 49.4193, 50.0666,
59.8825

■ 49.4193, 50.0666,
59.8825

■ 43.9433, 41.5449,
58.5270

■ 55.5436, 59.7730,
61.4340

■ 39.0869, 34.1542,
57.3564

■ 62.3349, 70.7021,
63.1856

■ 34.8257, 27.8464,
56.3635

■ 69.8162, 82.8982,
65.1454

■ 31.1319, 22.5672,
55.5392

■ 75.1347, 90.6542,
66.3621

■ 27.9751, 18.2575,
54.8737

■ 77.1535, 91.6949,
66.4566

■ 25.3221, 14.8521,
54.3562

■ 79.2512, 92.7763,
66.5547

■ 23.1352, 12.2775,
53.9746

■ 81.4287, 93.8989,
66.6567

■ 21.3710, 10.4486,
53.7145

■ 83.6868, 95.0629,
66.7623

■ 19.9747, 9.2572,
53.5582

■ 86.0263, 96.2690,
66.8718

Harmonies

Analogous

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



48.2488, 50.0666, 61.9219



49.4193, 50.0666, 59.8825



50.1051, 50.0666, 56.4499

Triad

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



49.4193, 50.0666, 59.8825



48.2580, 50.0666, 47.7283



45.1520, 50.0666, 56.4231

Complementary

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



49.4193, 50.0666, 59.8825



49.7114, 54.2555, 53.7538

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.



45.1543, 50.0666, 52.6229



49.4193, 50.0666, 59.8825



46.9309, 50.0666, 47.7219

Square

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



49.4193, 50.0666, 59.8825



49.4261, 50.0666, 49.4943



45.8002, 50.0666, 49.4764



45.7937, 50.0666, 59.8621

Rectangle

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



49.4193, 50.0666, 59.8825



50.1871, 50.0666, 53.8900



45.8002, 50.0666, 49.4764



45.0779, 50.0666, 55.1429

Sweetspot

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



49.4207, 50.0687, 59.8836



92.8217, 96.4680, 108.3357



48.3283, 50.8289, 60.0879



19.8910, 20.6851, 23.1942



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.



49.4207, 50.0687, 59.8836



87.4617, 88.0239, 106.9883



50.2494, 50.5196, 58.8523



10.9653, 11.0067, 13.4641



12.9089, 5.8890, 35.2007



0.6857, 0.3173, 1.6702

Inverse Universe

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



49.5620, 50.2447, 55.2328



87.7607, 88.3925, 97.3106



48.9239, 53.8274, 54.7150



11.0053, 11.0558, 12.1782



15.8209, 8.0779, 4.2668



0.7829, 0.3960, 0.3799

Previews

White Background



This preview shows how the XYZ color 49.4193, 50.0666, 59.8825 looks on a white background.

Color Contrast Check

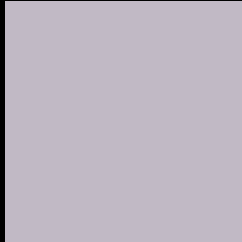
Large Text (above 18pt) WCAG AA × Fail

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 49.4193, 50.0666, 59.8825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

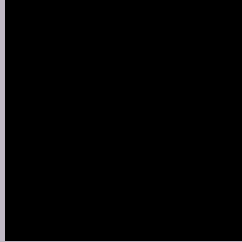
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4193, 50.0666, 59.8825

Background



This preview shows how black text looks on a background with the XYZ color 49.4193, 50.0666, 59.8825.



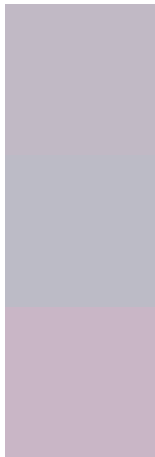
This preview shows how white text looks on a background with the XYZ color 49.4193, 50.0666,

59.8825.

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

49.4193, 50.0666, 59.8825

Protanopia

48.7024, 50.3092, 60.5698

Deuteranopia

51.0084, 49.9506, 60.3791



Tritanopia

49.6501, 50.1589, 61.0976

Trichromacy



Original Color

49.4193, 50.0666, 59.8825

Protanomaly

48.9872, 50.1422, 60.5226

Deuteranomaly

50.4152, 49.9500, 60.4102

Tritanomaly

49.5343, 50.1126, 60.4880

Monochromacy



Original Color

49.4193, 50.0666, 59.8825

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.7329, 50.7194, 57.0905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4193, 50.0666, 59.8825 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(193, 185, 197) looks like.

```
.text, #text, p{  
    color:rgb(193, 185, 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(193, 185, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 185, 197) }
```

Border

The CSS property to change the border of an element to XYZ 49.4193, 50.0666, 59.8825 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(193, 185, 197) }
```


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

```
.border{ border-color:rgb(193, 185, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 185, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 185, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 185, 197); box-shadow:4px 4px 4px 4px rgb(193, 185, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4193, 50.0666, 59.8825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 185, 197) }
```

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

```
.background{ background-color: rgb(193,  
185, 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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