

Converting Colors

XYZ(49.7120, 49.4887, 59.3658)

Have a look what the booklet for
XYZ(49.7120, 49.4887, 59.3658)
contains.

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Color

**XYZ(49.6622, 49.5883,
59.1786)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B7C4
RGB	196, 183, 196
RGB Percent	77%, 72%, 77%
CMY	0.2314, 0.2823, 0.2314
CMYK	0.00, 0.07, 0.00, 0.23
HSL	300°, 10%, 74%
HSV	300°, 7%, 77%
XYZ	49.6622, 49.5883, 59.1786
YIQ	188.3690, 3.5750, 6.7990

Conversions

Conversions Part 2

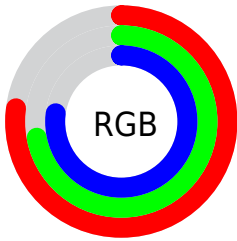
Format	Color
R _Y B	196, 183, 196
Decimal	12892100
CIE Lab	75.82, 6.96, -4.91
CIE LCh	76, 8.518, 324.772
Yxy	49.5883, 0.3135, 0.3130
Android (android.graphics.Color)	4291082180 (0xFFC4B7C4)
YUV	188.3690, 3.7621, 6.6924
Hunter-Lab	70.4190, 2.6520, -0.5328

Details

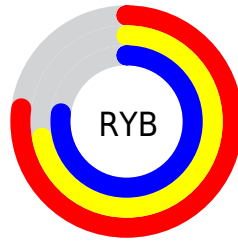
The XYZ color **49.6622, 49.5883, 59.1786** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.8176, 52.9674, 52.5059**, and the grayscale version is **47.9888, 50.4880, 54.9814**.

A 20% lighter version of the original color is **89.1041, 89.7075, 105.5475**, and **24.0204, 23.6690, 28.8938** is the 20% darker color. If you saturate the color by 10%, you get **45.8982, 42.0597, 57.9246**, and if you desaturate by 10%, it is **53.9920, 58.2471, 60.6224**.

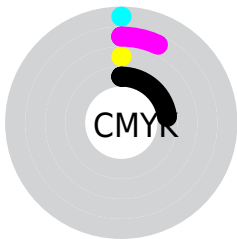
Distribution



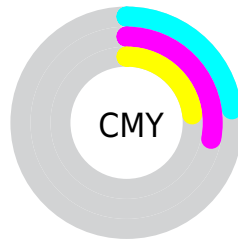
- Red (77%)
- Green (72%)
- Blue (77%)



- Red (77%)
- Yellow (72%)
- Blue (77%)



- Cyan (0%)
- Magenta (7%)
- Yellow (0%)
- Black (23%)



- Cyan (23%)
- Magenta (28%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6622, 49.5883, 59.1786 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 49.6622, 49.5883, 59.1786 by changing the saturation by 10% instead.

■ 49.6622, 49.5883,
59.1786

■ 49.6622, 49.5883,
59.1786

375.8173,
385.0538, 439.2838

■ 35.3618, 35.0864,
42.3360

■ 88.8690, 89.5646,
105.1689

■ 24.1095, 23.7294,
29.0369

114.5061,
115.8077, 135.1536

■ 15.5400, 15.1330,
18.8629

144.6527,
146.7334, 170.3560

■ 9.2880, 8.9128,
11.3955

179.6743,
182.7261, 211.1948

■ 4.9881, 4.6843,
6.2160

219.9362,
224.1700, 258.0884

■ 2.2750, 2.0633,
2.9059

265.8038,

■ 0.7818, 0.6439,

271.4497, 311.4554

1.0468

317.6424,
324.9495, 371.7144

■ 0.0000, 0.0000,
0.0000

■ 49.6622, 49.5883,
59.1786

■ 49.6622, 49.5883,
59.1786

■ 45.8982, 42.0597,
57.9246

■ 53.9920, 58.2471,
60.6224

■ 42.6726, 35.6087,
56.8494

■ 58.9052, 68.0732,
62.2601

■ 39.9621, 30.1879,
55.9459

■ 64.4237, 79.1100,
64.0996

■ 37.7400, 25.7439,
55.2053

■ 68.4897, 87.2417,
65.4549

■ 35.9773, 22.2188,
54.6178

■ 68.4898, 87.2418,
65.4549

■ 34.6419, 19.5482,
54.1727

■ 68.4899, 87.2419,
65.4549

■ 33.6976, 17.6597,
53.8579

■ 68.4901, 87.2419,
65.4549

■ 33.1020, 16.4688,
53.6594

■ 68.4902, 87.2420,
65.4549

■ 32.7996, 15.8642,
53.5587

■ 68.4903, 87.2421,
65.4549

Harmonies

Analogous

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



48.4189, 49.5883, 62.3002



49.6622, 49.5883, 59.1786



50.2284, 49.5883, 54.7913

Triad

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



49.6622, 49.5883, 59.1786



47.4100, 49.5883, 45.7702



44.4225, 49.5883, 57.7283

Complementary

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



49.6622, 49.5883, 59.1786



47.8176, 52.9674, 52.5059

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.



44.1659, 49.5883, 53.2029



49.6622, 49.5883, 59.1786



45.8684, 49.5883, 46.4596

Square

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



49.6622, 49.5883, 59.1786



48.9096, 49.5883, 47.1818



44.6896, 49.5883, 49.1200



45.3984, 49.5883, 61.4306

Rectangle

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



49.6622, 49.5883, 59.1786



50.1367, 49.5883, 51.8012



44.6896, 49.5883, 49.1200



44.2502, 49.5883, 56.2462

Sweetspot

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



49.6636, 49.5904, 59.1797



93.4445, 96.7891, 108.3648



46.4727, 48.0119, 59.0432



20.0178, 20.7505, 23.2001



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.



49.6636, 49.5904, 59.1797



88.8837, 87.6678, 106.8446



48.9634, 49.3104, 55.4919



10.4973, 10.2475, 12.7095



21.0289, 10.1012, 34.3980



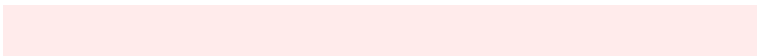
0.9086, 0.4364, 1.4862

Inverse Universe

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



48.2476, 49.0240, 51.7222



85.7717, 86.4230, 90.4557



48.4862, 53.2349, 56.0272



10.0732, 10.0779, 10.4762



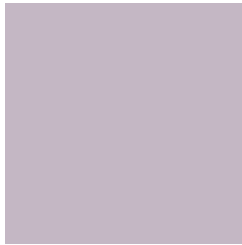
14.6275, 7.5408, 0.6847



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 49.6622, 49.5883, 59.1786 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 49.6622, 49.5883, 59.1786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

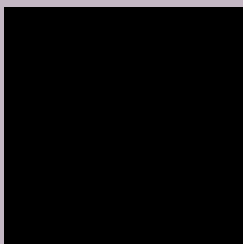
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

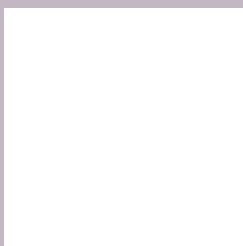
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6622, 49.5883, 59.1786

Background



This preview shows how black text looks on a background with the XYZ color 49.6622, 49.5883, 59.1786.



This preview shows how white text looks on a background with the XYZ color 49.6622, 49.5883,

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

49.6622, 49.5883, 59.1786

Protanopia

48.2455, 49.7598, 60.4879

Deuteranopia

50.5751, 49.4508, 59.1039



Tritanopia

49.7765, 49.6340, 59.7801

Trichromacy



Original Color

49.6622, 49.5883, 59.1786

Protanomaly

48.6622, 49.6763, 59.8470

Deuteranomaly

50.2449, 49.5835, 59.1469

Tritanomaly

49.7765, 49.6340, 59.7801

Monochromacy



Original Color

49.6622, 49.5883, 59.1786

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.4487, 49.9558, 56.3791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6622, 49.5883, 59.1786 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(196, 183, 196)` looks like.

```
.text, #text, p{  
    color:rgb(196, 183, 196)  
}
```

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(196, 183, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 183, 196) }
```

Border

The CSS property to change the border of an element to XYZ 49.6622, 49.5883, 59.1786 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(196, 183, 196) }
```


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

```
.border{ border-color:rgb(196, 183, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 183, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 183, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 183, 196);  
box-shadow:4px 4px 4px 4px rgb(196, 183,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6622, 49.5883, 59.1786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 183, 196) }
```

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

```
.background{ background-color: rgb(196,  
183, 196) }
```

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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