

Converting Colors

XYZ(49.9690, 51.3308, 58.3131)

Have a look what the booklet for
XYZ(49.9690, 51.3308, 58.3131)
contains.

XYZ(49.9690, 51.3308, 58.3131)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.9690, 51.3308,
58.3131)**

Conversions

Conversions Part 1

Format	Color
Hex	C2BCC2
RGB	194, 188, 194
RGB Percent	76%, 74%, 76%
CMY	0.2392, 0.2627, 0.2392
CMYK	0.00, 0.03, 0.00, 0.24
HSL	300°, 5%, 75%
HSV	300°, 3%, 76%
XYZ	49.9690, 51.3308, 58.3131
YIQ	190.4780, 1.6500, 3.1380

Conversions

Conversions Part 2

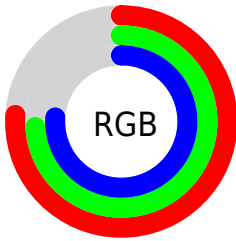
Format	Color
RYB	194, 188, 194
Decimal	12762306
CIELab	76.88, 3.20, -2.28
CIElCh	77, 3.933, 324.547
Yxy	51.3308, 0.3131, 0.3216
Android (android.graphics.Color)	4290952386 (0xFFC2BCC2)
YUV	190.4780, 1.7363, 3.0888
Hunter-Lab	71.6455, -0.8852, 1.8951

Details

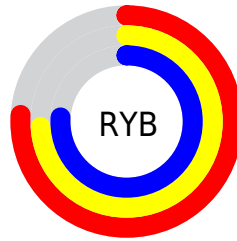
The XYZ color **49.9690, 51.3308, 58.3131** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.1099, 52.9073, 55.2034**, and the grayscale version is **49.2101, 51.7728, 56.3806**.

A 20% lighter version of the original color is **89.0303, 91.9275, 103.4939**, and **24.2128, 24.7968, 28.3211** is the 20% darker color. If you saturate the color by 10%, you get **46.1006, 43.5935, 57.0237**, and if you desaturate by 10%, it is **54.3974, 60.1867, 59.7904**.

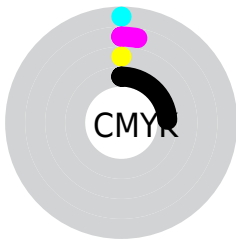
Distribution



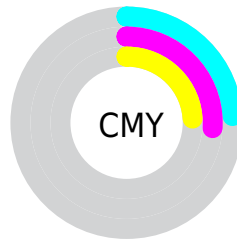
- Red (76%)
- Green (74%)
- Blue (76%)



- Red (76%)
- Yellow (74%)
- Blue (76%)



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)
- Black (24%)



- Cyan (24%)
- Magenta (26%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9690, 51.3308, 58.3131 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 49.9690, 51.3308, 58.3131 by changing the saturation by 10% instead.

■ 49.9690, 51.3308,
58.3131

■ 49.9690, 51.3308,
58.3131

376.9987,
391.8477, 435.9824

■ 35.6065, 36.4719,
41.6440

■ 89.3210, 92.1436,
103.8979

■ 24.2991, 24.7989,
28.4992

115.0413,
118.8663, 133.6508

■ 15.6816, 15.9273,
18.4600

145.2781,
150.3124, 168.6020

■ 9.3885, 9.4727,
11.1079

180.3969,
186.8662, 209.1702

■ 5.0546, 5.0508,
6.0244

220.7630,
228.9123, 255.7737

■ 2.3144, 2.2771,
2.7909

266.7417,

■ 0.8020, 0.7615,

276.8350, 308.8312

0.9889

318.6985,
331.0186, 368.7613

■ 0.0000, 0.0000,
0.0000

■ 49.9690, 51.3308,
58.3131

■ 49.9690, 51.3308,
58.3131

■ 46.1006, 43.5935,
57.0237

■ 54.3974, 60.1867,
59.7904

■ 42.7658, 36.9241,
55.9116

■ 59.4022, 70.1962,
61.4592

■ 39.9425, 31.2777,
54.9700

■ 65.0048, 81.4011,
63.3273

■ 37.6055, 26.6037,
54.1904

■ 67.7467, 86.8848,
64.2418

■ 35.7271, 22.8472,
53.5637

■ 67.7468, 86.8849,
64.2424

■ 34.2774, 19.9480,
53.0800

■ 67.7469, 86.8849,
64.2429

■ 33.2226, 17.8385,
52.7278

■ 67.7470, 86.8849,
64.2435

■ 32.5238, 16.4411,
52.4944

■ 67.7472, 86.8850,
64.2441

■ 32.1344, 15.6625,
52.3640

■ 67.7473, 86.8850,
64.2447

Harmonies

Analogous

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



49.3882, 51.3308, 59.7204



49.9690, 51.3308, 58.3131



50.2337, 51.3308, 56.2827

Triad

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



49.9690, 51.3308, 58.3131



48.9251, 51.3308, 51.8908



47.4922, 51.3308, 57.6187

Complementary

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



49.9690, 51.3308, 58.3131



49.1099, 52.9073, 55.2034

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.



47.3711, 51.3308, 55.5002



49.9690, 51.3308, 58.3131



48.1935, 51.3308, 52.2280

Square

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



49.9690, 51.3308, 58.3131



49.6271, 51.3308, 52.6029



47.6265, 51.3308, 53.5360



47.9592, 51.3308, 59.3123

Rectangle

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



49.9690, 51.3308, 58.3131



50.1934, 51.3308, 54.8626



47.6265, 51.3308, 53.5360



47.4099, 51.3308, 56.9312

Sweetspot

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



49.9705, 51.3330, 58.3142



92.1126, 96.1613, 106.1758



48.4621, 50.5554, 58.2438



20.1802, 21.0752, 23.2542



0.0000, 0.0000, 0.0000



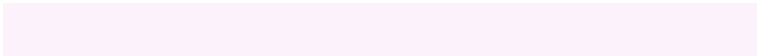
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.9705, 51.3330, 58.3142



89.8071, 91.5504, 105.4070



49.6370, 51.1996, 56.5583



10.9040, 11.0609, 12.8450



21.0290, 10.1013, 34.3943



0.9086, 0.4365, 1.4861

Inverse Universe

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



49.9705, 51.3330, 58.3142



89.8071, 91.5504, 105.4070



49.4366, 53.0379, 56.9237



10.9040, 11.0609, 12.8450



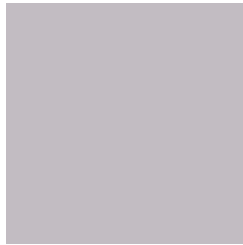
21.0290, 10.1013, 34.3943



0.9086, 0.4365, 1.4861

Previews

White Background



This preview shows how the XYZ color 49.9690, 51.3308, 58.3131 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 49.9690, 51.3308, 58.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

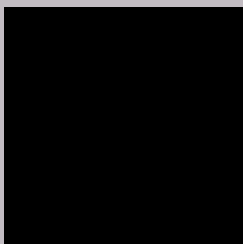
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

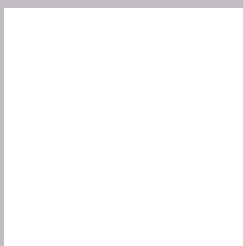
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9690, 51.3308, 58.3131

Background



This preview shows how black text looks on a background with the XYZ color 49.9690, 51.3308, 58.3131.

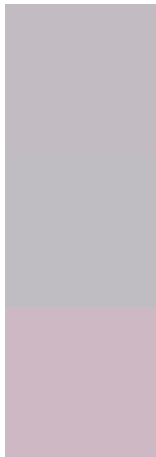


This preview shows how white text looks on a background with the XYZ color 49.9690, 51.3308,

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

49.9690, 51.3308, 58.3131

Protanopia

49.6734, 51.4967, 58.3607

Deuteranopia

52.4444, 51.3429, 58.7758



Tritanopia

50.9367, 51.4070, 63.1150

Trichromacy



Original Color

49.9690, 51.3308, 58.3131

Protanomaly

49.9275, 51.6277, 58.3726

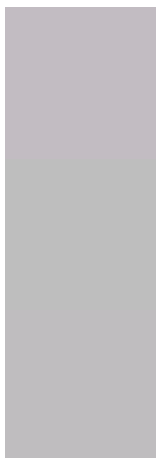
Deuteranomaly

51.5564, 51.1946, 58.7940

Tritanomaly

50.5848, 51.2663, 61.2621

Monochromacy



Original Color

49.9690, 51.3308, 58.3131

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.0874, 51.2331, 56.5920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9690, 51.3308, 58.3131 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, 188, 194)` looks like.

```
.text, #text, p{  
    color:rgb(194, 188, 194)  
}
```

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, 188, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 188, 194) }
```

Border

The CSS property to change the border of an element to XYZ 49.9690, 51.3308, 58.3131 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, 188, 194) }
```


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

```
.border{ border-color:rgb(194, 188, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 188, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 188, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 188, 194);  
box-shadow:4px 4px 4px 4px rgb(194, 188,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9690, 51.3308, 58.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 188, 194) }
```

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

```
.background{ background-color: rgb(194,  
188, 194) }
```

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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