

Converting Colors

XYZ(49.2138, 48.8171, 58.1707)

Have a look what the booklet for
XYZ(49.2138, 48.8171, 58.1707)
contains.

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Color

**XYZ(49.1392, 48.7236,
58.4444)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B5C3
RGB	196, 181, 195
RGB Percent	77%, 71%, 76%
CMY	0.2314, 0.2902, 0.2353
CMYK	0.00, 0.08, 0.01, 0.23
HSL	304°, 11%, 74%
HSV	304°, 8%, 77%
XYZ	49.1392, 48.7236, 58.4444
YIQ	187.0810, 4.4460, 7.5340

Conversions

Conversions Part 2

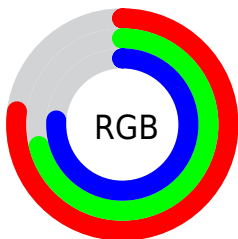
Format	Color
R_{YB}	196, 181, 195
Decimal	12891587
CIE Lab	75.28, 7.85, -5.16
CIE LCh	75, 9.398, 326.687
Yxy	48.7236, 0.3144, 0.3117
Android (android.graphics.Color)	4291081667 (0xFFC4B5C3)
YUV	187.0810, 3.9041, 7.8220
Hunter-Lab	69.8023, 3.5059, -0.7810

Details

The XYZ color **49.1392, 48.7236, 58.4444** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.2414, 52.6825, 51.9375**, and the grayscale version is **47.2579, 49.7189, 54.1439**.

A 20% lighter version of the original color is **88.3629, 88.4793, 104.5164**, and **23.6822, 23.1122, 28.4122** is the 20% darker color. If you saturate the color by 10%, you get **45.2842, 41.2485, 56.4337**, and if you desaturate by 10%, it is **53.5590, 57.3247, 60.6509**.

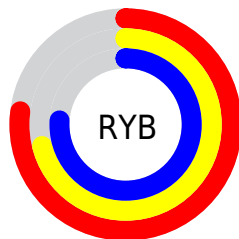
Distribution



Red (77%)

Green (71%)

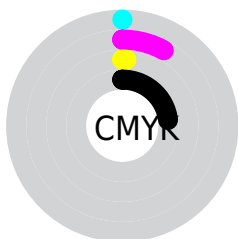
Blue (76%)



Red (77%)

Yellow (71%)

Blue (76%)

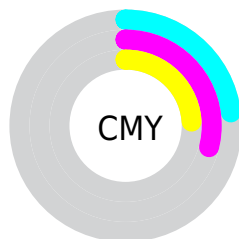


Cyan (0%)

Magenta (8%)

Yellow (1%)

Black (23%)



Cyan (23%)


Magenta (29%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1392, 48.7236, 58.4444 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 49.1392, 48.7236, 58.4444 by changing the saturation by 10% instead.


 49.1392, 48.7236,
58.4444

 49.1392, 48.7236,
58.4444


373.7979,
381.6532, 436.4842

 34.9449, 34.4003,
41.7490


 88.0976, 88.2808,
104.0909

 23.7868, 23.2013,
28.5807


113.5925,
114.2835, 133.8790

 15.2994, 14.7422,
18.5210


143.5849,
144.9480, 168.8685

 9.1175, 8.6387,
11.1514

178.4403,
180.6589, 209.4778

 4.8756, 4.5062,
6.0533

218.5239,
221.8004, 256.1254

 2.2085, 1.9606,
2.8082

264.2011,

 0.7472, 0.5844,

268.7571, 309.2301

0.9976

315.8374,
321.9132, 369.2101

■ 0.0000, 0.0000,
0.0000

■ 49.1392, 48.7236,
58.4444

■ 49.1392, 48.7236,
58.4444

■ 45.2842, 41.2485,
56.4337

■ 53.5590, 57.3247,
60.6509

■ 41.9665, 34.8466,
54.6079

■ 58.5612, 67.0895,
63.0574

■ 39.1626, 29.4702,
52.9597

■ 64.1680, 78.0613,
65.6719

■ 36.8455, 25.0655,
51.4801

■ 68.9778, 87.4370,
68.0271

■ 34.9860, 21.5739,
50.1594

■ 69.1316, 87.4985,
68.8367

■ 33.5516, 18.9304,
48.9867

■ 69.2866, 87.5605,
69.6533

■ 32.5055, 17.0614,
47.9497

■ 69.4430, 87.6230,
70.4767

■ 31.8047, 15.8811,
47.0340

■ 69.6007, 87.6861,
71.3071

■ 31.3868, 15.2645,
46.2190

■ 69.7597, 87.7497,
72.1445

Harmonies

Analogous

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



47.8167, 48.7236, 62.0042



49.1392, 48.7236, 58.4444



49.7028, 48.7236, 53.6029

Triad

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



49.1392, 48.7236, 58.4444



46.5024, 48.7236, 44.1182



43.4082, 48.7236, 57.4355

Complementary

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



49.1392, 48.7236, 58.4444



47.2414, 52.6825, 51.9375

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.



43.0758, 48.7236, 52.5043



49.1392, 48.7236, 58.4444



44.8359, 48.7236, 45.0053

Square

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



49.1392, 48.7236, 58.4444



48.1569, 48.7236, 45.4993



43.5921, 48.7236, 48.0014



44.5116, 48.7236, 61.3968

Rectangle

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



49.1392, 48.7236, 58.4444



49.5623, 48.7236, 50.3693



43.5921, 48.7236, 48.0014



43.2038, 48.7236, 55.8277

Sweetspot

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



49.1406, 48.7257, 58.4455



93.3898, 96.7672, 108.0766



45.7812, 46.9807, 58.8808



20.0067, 20.7460, 23.1415



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.



49.1406, 48.7257, 58.4455



87.9151, 86.1232, 105.3105



48.3138, 48.3950, 54.0914



10.4674, 10.2355, 12.5516



20.1271, 9.7406, 29.6450



0.8785, 0.4244, 1.3277

Inverse Universe

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



49.1406, 48.7257, 58.4455



87.9151, 86.1232, 105.3105



48.0374, 53.0009, 56.1291



10.4674, 10.2355, 12.5516



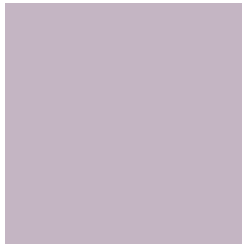
20.1271, 9.7406, 29.6450



0.8785, 0.4244, 1.3277

Previews

White Background



This preview shows how the XYZ color 49.1392, 48.7236, 58.4444 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 49.1392, 48.7236, 58.4444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

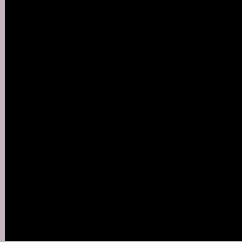
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1392, 48.7236, 58.4444

Background



This preview shows how black text looks on a background with the XYZ color 49.1392, 48.7236, 58.4444.



This preview shows how white text looks on a background with the XYZ color 49.1392, 48.7236,

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

49.1392, 48.7236, 58.4444

Protanopia

47.2261, 48.6265, 59.7201

Deuteranopia

49.7248, 48.7248, 58.4138



Tritanopia

49.1392, 48.7236, 58.4444

Trichromacy



Original Color

49.1392, 48.7236, 58.4444

Protanomaly

47.8836, 48.6713, 59.0953

Deuteranomaly

49.4603, 48.5884, 58.4014

Tritanomaly

49.1392, 48.7236, 58.4444

Monochromacy



Original Color

49.1392, 48.7236, 58.4444

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.8784, 49.3628, 55.7197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1392, 48.7236, 58.4444 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, 181, 195)` looks like.

```
.text, #text, p{  
    color:rgb(196, 181, 195)  
}
```

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, 181, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 181, 195) }
```

Border

The CSS property to change the border of an element to XYZ 49.1392, 48.7236, 58.4444 is called "border". The border property can be set on classes, ids or directly on the HTML element.

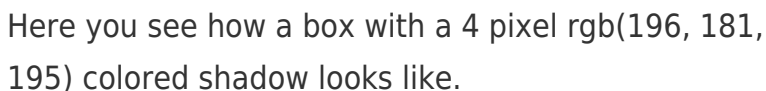
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 181, 195) }
```


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

```
.border{ border-color:rgb(196, 181, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 181, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 181, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 181, 195); box-shadow:4px 4px 4px 4px rgb(196, 181, 195) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1392, 48.7236, 58.4444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 181, 195) }
```

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

```
.background{ background-color: rgb(196,  
181, 195) }
```

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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