

Converting Colors

XYZ(48.7331, 48.9579, 50.6703)

Have a look what the booklet for
XYZ(48.7331, 48.9579, 50.6703)
contains.

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Color

**XYZ(48.6216, 48.9342,
50.5987)**

Conversions

Conversions Part 1

Format	Color
Hex	C7B6B5
RGB	199, 182, 181
RGB Percent	78%, 71%, 71%
CMY	0.2196, 0.2863, 0.2902
CMYK	0.00, 0.09, 0.09, 0.22
HSL	3°, 14%, 75%
HSV	3°, 9%, 78%
XYZ	48.6216, 48.9342, 50.5987
YIQ	186.9690, 10.4530, 3.2930

Conversions

Conversions Part 2

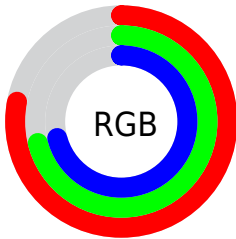
Format	Color
R_{YB}	199, 182, 181
Decimal	13088437
CIE _{Lab}	75.41, 5.87, 2.69
CIE _{LCh}	75, 6.460, 24.611
Yxy	48.9342, 0.3282, 0.3303
Android (android.graphics.Color)	4291278517 (0xFFC7B6B5)
YUV	186.9690, -2.9427, 10.5512
Hunter-Lab	69.9530, 1.6507, 6.0812

Details

The XYZ color **48.6216, 48.9342, 50.5987** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.5587, 54.3344, 61.9089**, and the grayscale version is **47.2297, 49.6893, 54.1116**.

A 20% lighter version of the original color is **87.1006, 88.5235, 92.6168**, and **23.4236, 23.2788, 23.6808** is the 20% darker color. If you saturate the color by 10%, you get **43.1306, 40.9895, 39.4036**, and if you desaturate by 10%, it is **54.9234, 58.0326, 63.5042**.

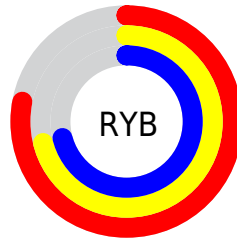
Distribution



Red (78%)

Green (71%)

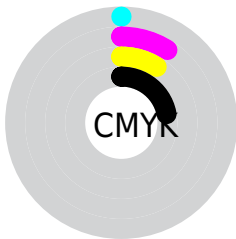
Blue (71%)



Red (78%)

Yellow (71%)

Blue (71%)

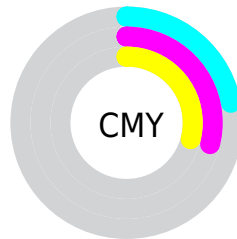


Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (22%)



Cyan (22%)


Magenta (29%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6216, 48.9342, 50.5987 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 48.6216, 48.9342, 50.5987 by changing the saturation by 10% instead.


 48.6216, 48.9342,
50.5987

 48.6216, 48.9342,
50.5987


371.7924,
382.4832, 405.8046

 34.5327, 34.5673,
35.5148


 87.3333, 88.5937,
92.4667

 23.4680, 23.3297,
23.7730


112.6868,
114.6551, 120.0880

 15.0620, 14.8372,
14.9547

142.5259,
145.3835, 152.7254

 8.9495, 8.7052,
8.6413

177.2159,
181.1631, 190.7976

 4.7651, 4.5494,
4.4144

217.1222,
222.3786, 234.7231

 2.1434, 1.9854,
1.8553

262.6102,

 0.7127, 0.5990,

269.4141, 284.9204

0.4641

314.0451,
322.6542, 341.8080

■ 0.0000, 0.0000,
0.0000

■ 48.6216, 48.9342,
50.5987

■ 48.6216, 48.9342,
50.5987

■ 43.1306, 40.9895,
39.4036

■ 54.9234, 58.0326,
63.5042

■ 38.4136, 34.1464,
29.8442

■ 62.0628, 68.3215,
78.1844

■ 34.4371, 28.3581,
21.8448

■ 70.0704, 79.8440,
94.7039

■ 31.1633, 23.5722,
15.3226

■ 77.3634, 90.8822,
108.0723

■ 28.5514, 19.7318,
10.1872

■ 26.5562, 16.7741,
6.3383

■ 25.1268, 14.6289,
3.6618

■ 24.2042, 13.2152,
2.0241

■ 23.7063, 12.4314,
1.2046

Harmonies

Analogous

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



48.8255, 48.9342, 53.8987



48.6216, 48.9342, 50.5987



47.8480, 48.9342, 48.1160

Triad

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



48.6216, 48.9342, 50.5987



44.6702, 48.9342, 49.5759



46.2960, 48.9342, 60.0739

Complementary

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



48.6216, 48.9342, 50.5987



49.5587, 54.3344, 61.9089

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.



45.1981, 48.9342, 58.8030



48.6216, 48.9342, 50.5987



44.2698, 48.9342, 52.6680

Square

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



48.6216, 48.9342, 50.5987



45.5642, 48.9342, 47.5434



44.4614, 48.9342, 56.0565



47.4698, 48.9342, 59.4626

Rectangle

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



48.6216, 48.9342, 50.5987



47.1202, 48.9342, 47.2103



44.4614, 48.9342, 56.0565



45.9060, 48.9342, 59.8511

Sweetspot

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



48.6230, 48.9364, 50.5997



91.5813, 94.9945, 101.7880



50.2822, 49.2724, 60.3474



19.4086, 20.0533, 21.3903



0.0000, 0.0000, 0.0000



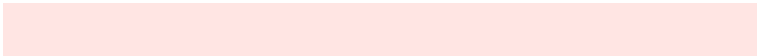
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6230, 48.9364, 50.5997



82.9832, 82.5732, 84.2014



50.5033, 52.6969, 51.2265



10.6805, 10.7302, 11.0710



15.2440, 8.0052, 0.7417



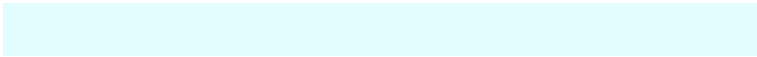
0.7387, 0.4129, 0.0408

Inverse Universe

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



49.5587, 54.3344, 61.9089



84.9759, 94.0691, 108.2862



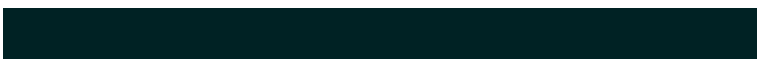
47.5846, 50.3862, 61.2508



10.8941, 11.9623, 13.6523



18.2012, 25.7962, 38.7642



0.8776, 1.2531, 1.8408

Previews

White Background



This preview shows how the XYZ color 48.6216, 48.9342, 50.5987 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 48.6216, 48.9342, 50.5987 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 48.6216, 48.9342, 50.5987

Background



This preview shows how black text looks on a background with the XYZ color 48.6216, 48.9342, 50.5987.



This preview shows how white text looks on a background with the XYZ color 48.6216, 48.9342,

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

48.6216, 48.9342, 50.5987

Protanopia

47.1314, 49.0640, 51.7859

Deuteranopia

49.8386, 48.9578, 50.5391



Tritanopia

50.1463, 48.9551, 57.8452

Trichromacy



Original Color

48.6216, 48.9342, 50.5987

Protanomaly

47.5763, 48.9958, 51.2056

Deuteranomaly

49.4930, 49.0805, 50.5810

Tritanomaly

49.5286, 49.0012, 54.9919

Monochromacy



Original Color

48.6216, 48.9342, 50.5987

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.5918, 49.2771, 52.9020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6216, 48.9342, 50.5987 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(199, 182, 181)` looks like.

```
.text, #text, p{  
    color:rgb(199, 182, 181)  
}
```

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(199, 182, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 182, 181) }
```

Border

The CSS property to change the border of an element to XYZ 48.6216, 48.9342, 50.5987 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(199, 182, 181) }
```


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

```
.border{ border-color:rgb(199, 182, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 182, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 182, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 182, 181);  
box-shadow:4px 4px 4px 4px rgb(199, 182,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6216, 48.9342, 50.5987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 182, 181) }
```

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

```
.background{ background-color: rgb(199,  
182, 181) }
```

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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