

Converting Colors

XYZ(49.3982, 50.8216, 53.6604)

Have a look what the booklet for
XYZ(49.3982, 50.8216, 53.6604)
contains.

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Color

**XYZ(49.3982, 50.8216,
53.6604)**

Conversions

Conversions Part 1

Format	Color
Hex	C4BBBA
RGB	196, 187, 186
RGB Percent	77%, 73%, 73%
CMY	0.2314, 0.2666, 0.2706
CMYK	0.00, 0.05, 0.05, 0.23
HSL	6°, 8%, 75%
HSV	6°, 5%, 77%
XYZ	49.3982, 50.8216, 53.6604
YIQ	189.5770, 5.6850, 1.5970

Conversions

Conversions Part 2

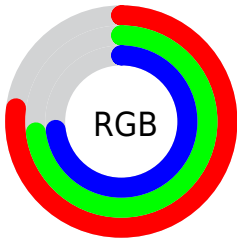
Format	Color
R _Y B	196, 187, 186
Decimal	12893114
CIE Lab	76.57, 2.99, 1.63
CIE LCh	77, 3.404, 28.567
Yxy	50.8216, 0.3210, 0.3303
Android (android.graphics.Color)	4291083194 (0xFFC4BBBA)
YUV	189.5770, -1.7635, 5.6330
Hunter-Lab	71.2893, -1.0689, 5.2741

Details

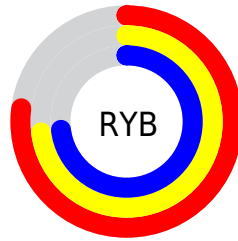
The XYZ color **49.3982, 50.8216, 53.6604** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.7285, 53.4540, 59.9218**, and the grayscale version is **48.7091, 51.2458, 55.8066**.

A 20% lighter version of the original color is **88.5856, 91.3946, 96.9764**, and **23.9141, 24.4944, 25.6578** is the 20% darker color. If you saturate the color by 10%, you get **43.9422, 43.0182, 42.2570**, and if you desaturate by 10%, it is **55.6023, 59.6625, 66.7245**.

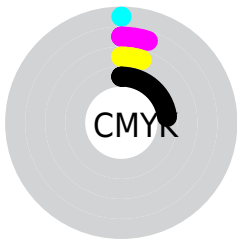
Distribution



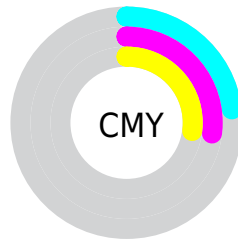
- Red (77%)
- Green (73%)
- Blue (73%)



- Red (77%)
- Yellow (73%)
- Blue (73%)



- Cyan (0%)
- Magenta (5%)
- Yellow (5%)
- Black (23%)



- Cyan (23%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3982, 50.8216, 53.6604 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 49.3982, 50.8216, 53.6604 by changing the saturation by 10% instead.

■ 49.3982, 50.8216,
53.6604

■ 49.3982, 50.8216,
53.6604

374.7989,
389.8703, 417.9516

■ 35.1513, 36.0666,
37.9389

■ 88.4798, 91.3910,
97.0268

■ 23.9465, 24.4857,
25.6338

114.0451,
117.9743, 125.5088

■ 15.4185, 15.6943,
16.3266

144.1140,
149.2691, 159.0813

■ 9.2018, 9.3081,
9.5987

179.0518,
185.6598, 198.1630

■ 4.9312, 4.9427,
5.0316

219.2238,
227.5309, 243.1723

■ 2.2413, 2.2137,
2.2067

264.9954,

■ 0.7644, 0.7274,

275.2668, 294.5279

0.6783

316.7320,
329.2518, 352.6481

■ 0.0000, 0.0000,
0.0000

■ 49.3982, 50.8216,
53.6604

■ 49.3982, 50.8216,
53.6604

■ 43.9422, 43.0182,
42.2570

■ 55.6023, 59.6625,
66.7245

■ 39.2018, 36.2078,
32.4447

■ 62.5768, 69.5701,
81.5087

■ 35.1487, 30.3526,
24.1536

■ 70.3485, 80.5806,
98.0734

■ 31.7507, 25.4099,
17.3074

■ 76.5752, 90.4759,
108.0354

■ 28.9732, 21.3335,
11.8234

■ 26.7785, 18.0735,
7.6103

■ 25.1247, 15.5746,
4.5657

■ 23.9640, 13.7747,
2.5712

■ 23.2403, 12.6020,
1.4832

Harmonies

Analogous

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



49.5507, 50.8216, 55.4246



49.3982, 50.8216, 53.6604



48.9519, 50.8216, 52.3700

Triad

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



49.3982, 50.8216, 53.6604



47.2573, 50.8216, 53.5103



48.2735, 50.8216, 58.9512

Complementary

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



49.3982, 50.8216, 53.6604



49.7285, 53.4540, 59.9218

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.



47.6626, 50.8216, 58.4121



49.3982, 50.8216, 53.6604



47.0792, 50.8216, 55.2476

Square

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



49.3982, 50.8216, 53.6604



47.7157, 50.8216, 52.2848



47.2269, 50.8216, 57.0463



48.8979, 50.8216, 58.5039

Rectangle

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



49.3982, 50.8216, 53.6604



48.5498, 50.8216, 51.9382



47.2269, 50.8216, 57.0463



48.0598, 50.8216, 58.8791

Sweetspot

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



49.3996, 50.8238, 53.6615



92.7933, 96.7833, 104.1506



50.1749, 50.7945, 58.7902



19.8852, 20.7493, 22.3422



0.0000, 0.0000, 0.0000



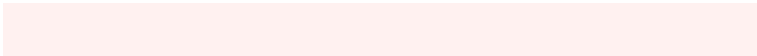
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3996, 50.8238, 53.6615



88.4486, 90.5834, 95.0272



50.4782, 52.9809, 54.0210



10.4934, 10.7237, 11.2158



14.8146, 7.9149, 0.7469



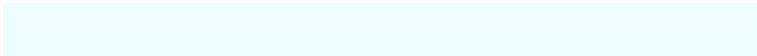
0.6681, 0.3980, 0.0416

Inverse Universe

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



49.7285, 53.4540, 59.9218



89.1556, 96.2372, 108.4844



48.6277, 51.2523, 59.5549



10.5838, 11.4466, 12.9364



16.4559, 22.6683, 37.0647



0.7364, 1.0303, 1.6099

Previews

White Background



This preview shows how the XYZ color 49.3982, 50.8216, 53.6604 looks on a white background.

Color Contrast Check

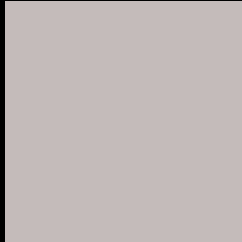
Large Text (above 18pt) WCAG AA × Fail

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 49.3982, 50.8216, 53.6604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

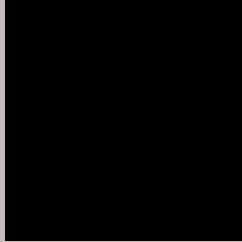
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3982, 50.8216, 53.6604

Background



This preview shows how black text looks on a background with the XYZ color 49.3982, 50.8216, 53.6604.

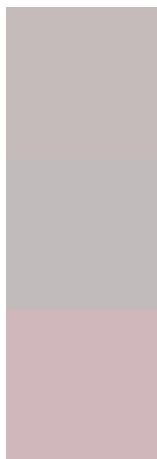


This preview shows how white text looks on a background with the XYZ color 49.3982, 50.8216,

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

49.3982, 50.8216, 53.6604

Protanopia

48.9452, 50.8918, 54.2571

Deuteranopia

51.9156, 50.8647, 54.0953



Tritanopia

50.9465, 50.8272, 61.1583

Trichromacy



Original Color

49.3982, 50.8216, 53.6604

Protanomaly

49.2010, 51.0236, 54.2691

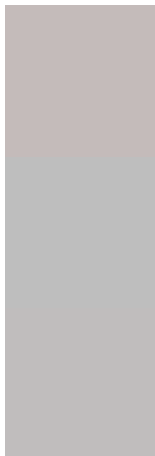
Deuteranomaly

51.0120, 50.7062, 54.1124

Tritanomaly

50.3225, 50.8832, 58.2081

Monochromacy



Original Color

49.3982, 50.8216, 53.6604

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.1211, 51.2758, 55.4524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3982, 50.8216, 53.6604 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, 187, 186) looks like.

```
.text, #text, p{  
    color:rgb(196, 187, 186)  
}
```

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, 187, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 187, 186) }
```

Border

The CSS property to change the border of an element to XYZ 49.3982, 50.8216, 53.6604 is called "border". The border property can be set on classes, ids or directly on the HTML element.

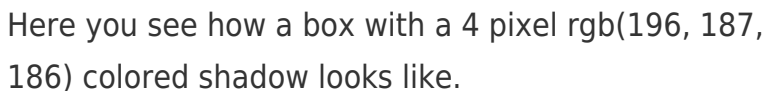
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 187, 186) }
```


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

```
.border{ border-color:rgb(196, 187, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 187, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 187, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 187, 186); box-shadow:4px 4px 4px 4px rgb(196, 187, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3982, 50.8216, 53.6604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 187, 186) }
```

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

```
.background{ background-color: rgb(196,  
187, 186) }
```

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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