

Converting Colors

XYZ(48.7212, 50.5275, 53.4454)

Have a look what the booklet for
XYZ(48.7212, 50.5275, 53.4454)
contains.

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Color

**XYZ(48.6256, 50.4233,
53.6242)**

Conversions

Conversions Part 1

Format	Color
Hex	C1BBBA
RGB	193, 187, 186
RGB Percent	76%, 73%, 73%
CMY	0.2431, 0.2666, 0.2706
CMYK	0.00, 0.03, 0.04, 0.24
HSL	9°, 5%, 74%
HSV	9°, 4%, 76%
XYZ	48.6256, 50.4233, 53.6242
YIQ	188.6800, 3.8970, 0.9610

Conversions

Conversions Part 2

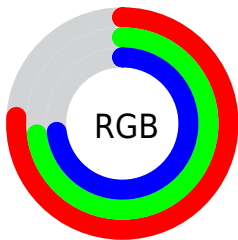
Format	Color
R_{YB}	193, 187, 186
Decimal	12696506
CIE Lab	76.33, 1.93, 1.25
CIE LCh	76, 2.295, 32.860
Yxy	50.4233, 0.3185, 0.3303
Android (android.graphics.Color)	4290886586 (0xFFC1BBBA)
YUV	188.6800, -1.3212, 3.7886
Hunter-Lab	71.0094, -2.0336, 4.9325

Details

The XYZ color **48.6256, 50.4233, 53.6242** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.7250, 51.9879, 57.9194**, and the grayscale version is **48.1940, 50.7038, 55.2165**.

A 20% lighter version of the original color is **87.1445, 90.6517, 96.9089**, and **23.5740, 24.3191, 25.6419** is the 20% darker color. If you saturate the color by 10%, you get **43.4033, 43.0430, 42.4351**, and if you desaturate by 10%, it is **54.5318, 58.7266, 66.4098**.

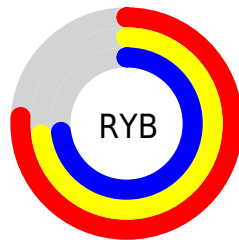
Distribution



Red (76%)

Green (73%)

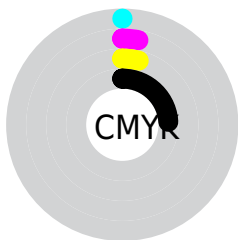
Blue (73%)



Red (76%)

Yellow (73%)

Blue (73%)

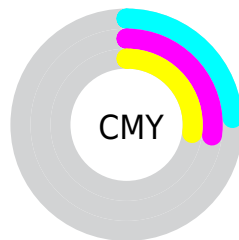


Cyan (0%)

Magenta (3%)

Yellow (4%)

Black (24%)



Cyan (24%)

Magenta (27%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6256, 50.4233, 53.6242 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 48.6256, 50.4233, 53.6242 by changing the saturation by 10% instead.

■ 48.6256, 50.4233,
53.6242

■ 48.6256, 50.4233,
53.6242

371.8080,
388.3190, 417.8094

■ 34.5359, 35.7499,
37.9102

■ 87.3392, 90.8017,
96.9731

■ 23.4704, 24.2411,
25.6117

112.6938,
117.2755, 125.4450

■ 15.0638, 15.5125,
16.3102

142.5341,
148.4515, 159.0066

■ 8.9508, 9.1799,
9.5872

177.2254,
184.7142, 198.0765

■ 4.7660, 4.8587,
5.0241

217.1331,
226.4479, 243.0732

■ 2.1439, 2.1646,
2.2024

262.6225,

■ 0.7129, 0.7006,

274.0370, 294.4152

0.6758

314.0590,
327.8659, 352.5211

■ 0.0000, 0.0000,
0.0000

■ 48.6256, 50.4233,
53.6242

■ 48.6256, 50.4233,
53.6242

■ 43.4033, 43.0430,
42.4351

■ 54.5318, 58.7266,
66.4098

■ 38.8359, 36.5474,
32.7765

■ 61.1410, 67.9763,
80.8478

■ 34.8987, 30.9051,
24.5829

■ 68.4770, 78.2036,
96.9954

■ 31.5638, 26.0807,
17.7823

■ 75.2119, 88.8962,
107.8023

■ 28.8012, 22.0358,
12.2972

■ 75.8026, 90.0776,
107.9992

■ 26.5780, 18.7295,
8.0419

■ 24.8584, 16.1165,
4.9211

■ 23.6016, 14.1471,
2.8249

■ 22.7604, 12.7641,
1.6216

Harmonies

Analogous

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



48.7586, 50.4233, 54.7840



48.6256, 50.4233, 53.6242



48.3050, 50.4233, 52.8165

Triad

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



48.6256, 50.4233, 53.6242



47.1919, 50.4233, 53.8264



47.9672, 50.4233, 57.3080

Complementary

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



48.6256, 50.4233, 53.6242



48.7250, 51.9879, 57.9194

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.



47.5486, 50.4233, 57.0425



48.6256, 50.4233, 53.6242



47.1026, 50.4233, 55.0209

Square

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



48.6256, 50.4233, 53.6242



47.4774, 50.4233, 52.9321



47.2328, 50.4233, 56.2008



48.3771, 50.4233, 56.9211

Rectangle

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



48.6256, 50.4233, 53.6242



48.0290, 50.4233, 52.5801



47.2328, 50.4233, 56.2008



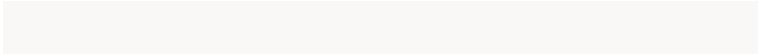
47.8229, 50.4233, 57.2921

Sweetspot

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



48.6270, 50.4255, 53.6253



89.7324, 94.0325, 101.7412



49.0738, 50.2648, 57.0242



19.2619, 20.1890, 21.8513



92.9021, 97.7402, 106.4391



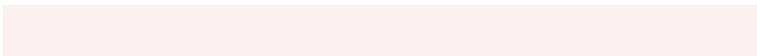
19.4759, 20.4902, 22.3138

Same Dimension

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



48.6270, 50.4255, 53.6253



86.6575, 89.7013, 95.1101



49.3634, 51.8983, 53.8708



10.7457, 11.0944, 11.7129



14.9344, 8.1546, 0.7869



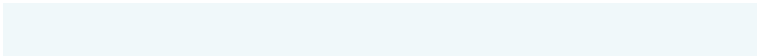
0.6836, 0.4290, 0.0468

Inverse Universe

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



48.7250, 51.9879, 57.9194



86.8535, 92.8268, 103.7000



47.9806, 50.4992, 57.6713



10.7738, 11.5426, 12.9449



15.4366, 20.6297, 36.7249



0.7014, 0.9602, 1.5982

Previews

White Background



This preview shows how the XYZ color 48.6256, 50.4233, 53.6242 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 48.6256, 50.4233, 53.6242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

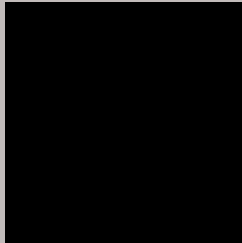
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

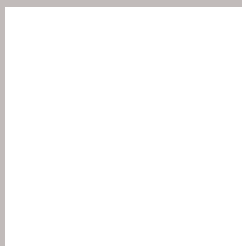
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6256, 50.4233, 53.6242

Background



This preview shows how black text looks on a background with the XYZ color 48.6256, 50.4233, 53.6242.

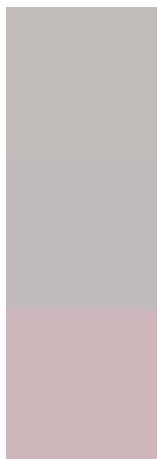


This preview shows how white text looks on a background with the XYZ color 48.6256, 50.4233,

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

48.6256, 50.4233, 53.6242

Protanopia

48.3715, 50.2923, 53.6123

Deuteranopia

51.4297, 50.3092, 54.0137



Tritanopia

50.1634, 50.4235, 61.1217

Trichromacy



Original Color

48.6256, 50.4233, 53.6242

Protanomaly

48.3715, 50.2923, 53.6123

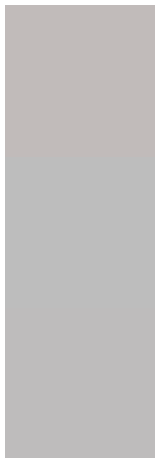
Deuteranomaly

50.4673, 50.4254, 54.0869

Tritanomaly

49.5446, 50.4822, 58.1717

Monochromacy



Original Color

48.6256, 50.4233, 53.6242

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.2955, 50.5444, 54.7876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6256, 50.4233, 53.6242 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(193, 187, 186)` looks like.

```
.text, #text, p{  
    color:rgb(193, 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(193, 187, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 187, 186) }
```

Border

The CSS property to change the border of an element to XYZ 48.6256, 50.4233, 53.6242 is called "border". The border property can be set on classes, ids or directly on the HTML element.

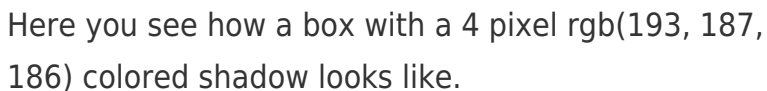
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 187, 186) }
```


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

```
.border{ border-color:rgb(193, 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(193, 187, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 187, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 187, 186); box-shadow:4px 4px 4px 4px rgb(193, 187, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6256, 50.4233, 53.6242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 187, 186) }
```

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

```
.background{ background-color: rgb(193,  
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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