

Converting Colors

XYZ(48.7535, 50.5231, 50.6324)

Have a look what the booklet for
XYZ(48.7535, 50.5231, 50.6324)
contains.

XYZ(48.8758, 50.6126, 50.9092)	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(48.8758, 50.6126,
50.9092)**

Conversions

Conversions Part 1

Format	Color
Hex	C4BBB5
RGB	196, 187, 181
RGB Percent	77%, 73%, 71%
CMY	0.2314, 0.2666, 0.2902
CMYK	0.00, 0.05, 0.08, 0.23
HSL	24°, 11%, 74%
HSV	24°, 8%, 77%
XYZ	48.8758, 50.6126, 50.9092
YIQ	189.0070, 7.2900, 0.0420

Conversions

Conversions Part 2

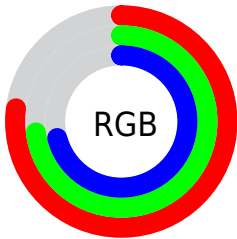
Format	Color
RYB	196, 191, 181
Decimal	12893109
CIELab	76.44, 2.11, 4.16
CIELCh	76, 4.663, 63.029
Yxy	50.6126, 0.3250, 0.3365
Android (android.graphics.Color)	4291083189 (0xFFC4BBB5)
YUV	189.0070, -3.9475, 6.1329
Hunter-Lab	71.1425, -1.8677, 7.3722

Details

The XYZ color **48.8758, 50.6126, 50.9092** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.4333, 50.6355, 59.4989**, and the grayscale version is **48.3939, 50.9142, 55.4455**.

A 20% lighter version of the original color is **87.8447, 91.0983, 93.0746**, and **23.5767, 24.3595, 23.8813** is the 20% darker color. If you saturate the color by 10%, you get **44.6122, 45.0803, 40.2540**, and if you desaturate by 10%, it is **53.6293, 56.6709, 63.1248**.

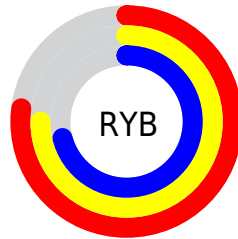
Distribution



Red (77%)

Green (73%)

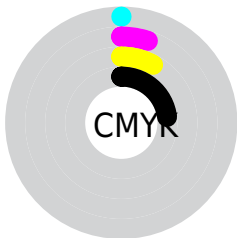
Blue (71%)



Red (77%)

Yellow (75%)

Blue (71%)

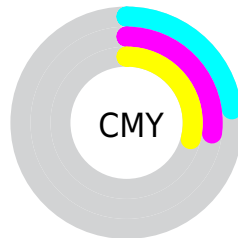


Cyan (0%)

Magenta (5%)

Yellow (8%)

Black (23%)



Cyan (23%)


Magenta (27%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8758, 50.6126, 50.9092 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 48.8758, 50.6126, 50.9092 by changing the saturation by 10% instead.


 48.8758, 50.6126,
50.9092

 48.8758, 50.6126,
50.9092

372.7782,
389.0568, 407.0474

 34.7351, 35.9004,
35.7601


 87.7088, 91.0819,
92.9307

 23.6244, 24.3573,
23.9608


113.1318,
117.6077, 120.6401

 15.1785, 15.5989,
15.0926


143.0463,
148.8403, 153.3735

 9.0319, 9.2407,
8.7370

177.8176,
185.1638, 191.5493

 4.8193, 4.8985,
4.4756

217.8111,
226.9629, 235.5860

 2.1753, 2.1879,
1.8897

263.3921,

 0.7297, 0.7134,

274.6218, 285.9022

0.4862

314.9260,
328.5250, 342.9165

■ 0.0000, 0.0000,
0.0000

■ 48.8758, 50.6126,
50.9092

■ 48.8758, 50.6126,
50.9092

■ 44.6122, 45.0803,
40.2540

■ 53.6293, 56.6709,
63.1248

■ 40.8178, 40.0529,
31.0926

■ 58.8844, 63.2622,
76.9575

■ 37.4763, 35.5175,
23.3581

■ 64.6574, 70.4023,
92.4649

■ 34.5690, 31.4582,
16.9772

■ 70.2458, 77.8170,
105.9256

■ 32.0754, 27.8580,
11.8703

■ 73.7049, 84.7353,
107.0786

■ 29.9736, 24.6990,
7.9491

■ 76.5753, 90.4759,
108.0354

■ 28.2388, 21.9616,
5.1139

■ 26.8431, 19.6244,
3.2482

■ 25.7481, 17.6613,
2.1840

Harmonies

Analogous

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



49.5356, 50.6126, 52.5140



48.8758, 50.6126, 50.9092



48.0166, 50.6126, 50.4182

Triad

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



48.8758, 50.6126, 50.9092



46.4389, 50.6126, 55.3645



49.0322, 50.6126, 59.2639

Complementary

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



48.8758, 50.6126, 50.9092



47.4333, 50.6355, 59.4989

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.



48.1951, 50.6126, 60.0811



48.8758, 50.6126, 50.9092



46.7037, 50.6126, 57.7872

Square

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



48.8758, 50.6126, 50.9092



46.6162, 50.6126, 52.9438



47.3438, 50.6126, 59.5326



49.6267, 50.6126, 57.3314

Rectangle

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



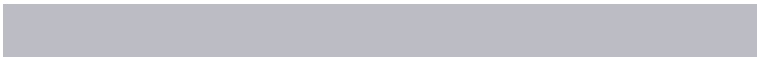
48.8758, 50.6126, 50.9092



47.4481, 50.6126, 50.7759



47.3438, 50.6126, 59.5326



48.7695, 50.6126, 59.6808

Sweetspot

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



48.8772, 50.6148, 50.9103



93.2716, 97.7397, 104.3100



48.5838, 48.5020, 55.5171



19.9826, 20.9441, 22.3747



0.0000, 0.0000, 0.0000



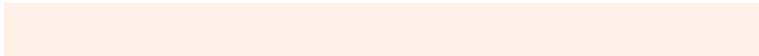
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8772, 50.6148, 50.9103



87.3376, 90.1390, 89.1766



50.5094, 53.8792, 51.4544



10.3966, 10.7247, 10.5840



16.4777, 11.2411, 1.3013



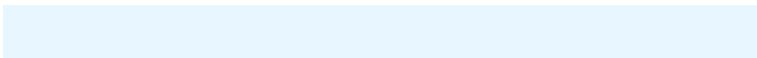
0.7794, 0.6205, 0.0787

Inverse Universe

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



47.4333, 50.6355, 59.4989



84.2444, 90.1831, 107.5747



45.8511, 47.4711, 58.9715



10.0194, 10.7301, 12.8279



10.6174, 10.9912, 35.1185



0.5247, 0.6068, 1.5394

Previews

White Background



This preview shows how the XYZ color 48.8758, 50.6126, 50.9092 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 48.8758, 50.6126, 50.9092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

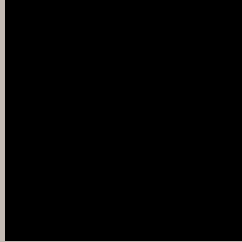
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8758, 50.6126, 50.9092

Background



This preview shows how black text looks on a background with the XYZ color 48.8758, 50.6126, 50.9092.

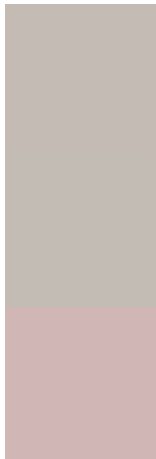


This preview shows how white text looks on a background with the XYZ color 48.8758, 50.6126,

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

48.8758, 50.6126, 50.9092

Protanopia

48.5718, 50.7720, 50.9560

Deuteranopia

51.4659, 50.3886, 51.2694



Tritanopia

51.0025, 50.5466, 61.1012

Trichromacy



Original Color

48.8758, 50.6126, 50.9092

Protanomaly

48.8294, 50.9047, 50.9681

Deuteranomaly

50.4858, 50.4957, 51.3417

Tritanomaly

50.1521, 50.5095, 56.9752

Monochromacy



Original Color

48.8758, 50.6126, 50.9092

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.5844, 50.7181, 53.6833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8758, 50.6126, 50.9092 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(196, 187, 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(196, 187, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 187, 181) }
```

Border

The CSS property to change the border of an element to XYZ 48.8758, 50.6126, 50.9092 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, 181) }
```


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

```
.border{ border-color:rgb(196, 187, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 187, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 187, 181);  
box-shadow:4px 4px 4px 4px rgb(196, 187,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8758, 50.6126, 50.9092 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, 181) }
```

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

```
.background{ background-color: rgb(196,  
187, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor