

Converting Colors

XYZ(48.0387, 50.3128, 52.3073)

Have a look what the booklet for
XYZ(48.0387, 50.3128, 52.3073)
contains.

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Color

**XYZ(48.1208, 50.5035,
52.5593)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBCB8
RGB	191, 188, 184
RGB Percent	75%, 74%, 72%
CMY	0.2510, 0.2627, 0.2784
CMYK	0.00, 0.02, 0.04, 0.25
HSL	34°, 5%, 74%
HSV	34°, 4%, 75%
XYZ	48.1208, 50.5035, 52.5593
YIQ	188.4410, 3.0720, -0.6080

Conversions

Conversions Part 2

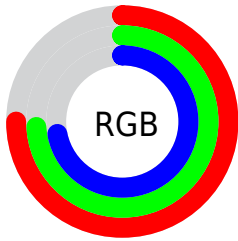
Format	Color
RYB	189, 191, 184
Decimal	12565688
CIELab	76.38, 0.33, 2.38
CIELCh	76, 2.404, 82.158
Yxy	50.5035, 0.3183, 0.3341
Android (android.graphics.Color)	4290755768 (0xFFBFBCB8)
YUV	188.4410, -2.1894, 2.2442
Hunter-Lab	71.0658, -3.4975, 5.8960

Details

The XYZ color **48.1208, 50.5035, 52.5593** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.9414, 49.4918, 56.3696**, and the grayscale version is **48.0628, 50.5658, 55.0662**.

A 20% lighter version of the original color is **86.4366, 90.7668, 95.4021**, and **23.2419, 24.3699, 24.9516** is the 20% darker color. If you saturate the color by 10%, you get **44.5553, 46.3628, 42.1508**, and if you desaturate by 10%, it is **52.0585, 54.9547, 64.4269**.

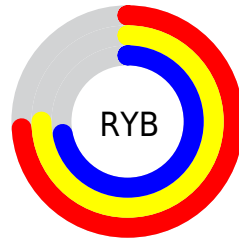
Distribution



Red (75%)

Green (74%)

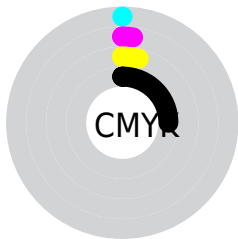
Blue (72%)



Red (74%)

Yellow (75%)

Blue (72%)

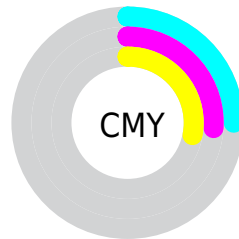


Cyan (0%)

Magenta (2%)

Yellow (4%)

Black (25%)



Cyan (25%)

Magenta (26%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1208, 50.5035, 52.5593 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 48.1208, 50.5035, 52.5593 by changing the saturation by 10% instead.

■ 48.1208, 50.5035,
52.5593

■ 48.1208, 50.5035,
52.5593

369.8454,
388.6317, 413.6103

■ 34.1342, 35.8136,
37.0658

■ 86.5928, 90.9204,
95.3905

■ 23.1601, 24.2903,
24.9622

111.8090,
117.4163, 123.5653

■ 14.8331, 15.5491,
15.8302

141.4991,
148.6163, 156.8042

■ 8.7879, 9.2057,
9.2510

176.0284,
184.9047, 195.5259

■ 4.6591, 4.8756,
4.8062

215.7623,
226.6661, 240.1488

■ 2.0813, 2.1744,
2.0773

261.0662,

■ 0.6790, 0.7060,

274.2848, 291.0914

0.6022

312.3055,
328.1452, 348.7724

■ 0.0000, 0.0000,
0.0000

■ 48.1208, 50.5035,
52.5593

■ 48.1208, 50.5035,
52.5593

■ 44.5553, 46.3628,
42.1508

■ 52.0585, 54.9547,
64.4269

■ 41.3454, 42.5184,
33.1408

■ 56.3759, 59.7170,
77.8042

■ 38.4793, 38.9647,
25.4695

■ 61.0855, 64.7996,
92.7436

■ 35.9430, 35.6933,
19.0713

■ 65.3160, 69.8563,
104.6488

■ 33.7213, 32.6952,
13.8752

■ 67.5239, 74.2721,
105.3848

■ 31.7977, 29.9611,
9.8028

■ 69.8384, 78.9010,
106.1563

■ 30.1539, 27.4805,
6.7667

■ 72.2608, 83.7458,
106.9638

■ 28.7689, 25.2420,
4.6661

■ 74.7925, 88.8093,
107.8077

■ 27.6177, 23.2325,
3.3798

■ 75.2961, 89.8165,
107.9755

Harmonies

Analogous

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



48.5375, 50.5035, 53.0464



48.1208, 50.5035, 52.5593



47.6748, 50.5035, 52.7153

Triad

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



48.1208, 50.5035, 52.5593



47.2012, 50.5035, 55.9344



48.6921, 50.5035, 56.5317

Complementary

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



48.1208, 50.5035, 52.5593



46.9414, 49.4918, 56.3696

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.



48.3308, 50.5035, 57.3286



48.1208, 50.5035, 52.5593



47.4706, 50.5035, 56.9800

Square

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



48.1208, 50.5035, 52.5593



47.1458, 50.5035, 54.6506



47.8835, 50.5035, 57.4939



48.8687, 50.5035, 55.3302

Rectangle

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



48.1208, 50.5035, 52.5593



47.4208, 50.5035, 53.1642



47.8835, 50.5035, 57.4939



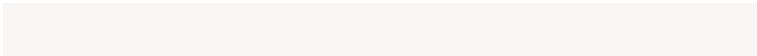
48.5881, 50.5035, 56.8566

Sweetspot

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



48.1222, 50.5057, 52.5604



87.9883, 92.5117, 99.5064



47.6002, 48.9474, 53.9721



19.3291, 20.3235, 21.8737



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.



48.1222, 50.5057, 52.5604



85.9190, 90.1488, 93.3425



48.6519, 51.7389, 52.7705



10.3378, 10.8419, 11.1389



17.8120, 14.6629, 1.8914



0.7614, 0.7017, 0.0953

Inverse Universe

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



46.9414, 49.4918, 56.3696



83.5804, 88.1408, 100.8869



46.4243, 48.2914, 56.1652



10.0140, 10.5639, 12.1834



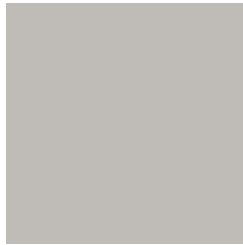
8.2279, 6.5675, 33.2269



0.3873, 0.3872, 1.3232

Previews

White Background



This preview shows how the XYZ color 48.1208, 50.5035, 52.5593 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 48.1208, 50.5035, 52.5593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

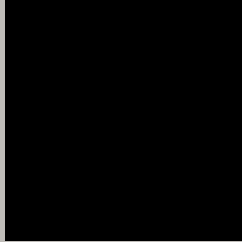
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1208, 50.5035, 52.5593

Background



This preview shows how black text looks on a background with the XYZ color 48.1208, 50.5035, 52.5593.

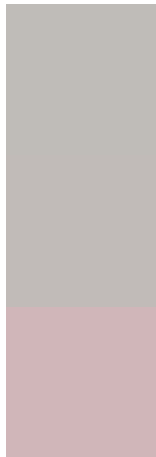


This preview shows how white text looks on a background with the XYZ color 48.1208, 50.5035,

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

48.1208, 50.5035, 52.5593

Protanopia

48.4144, 50.3388, 52.5120

Deuteranopia

51.4973, 50.3686, 52.9068



Tritanopia

49.9766, 50.6254, 61.7812

Trichromacy



Original Color

48.1208, 50.5035, 52.5593

Protanomaly

48.1603, 50.2078, 52.5002

Deuteranomaly

50.2546, 50.3403, 52.9669

Tritanomaly

49.2462, 50.6422, 58.2183

Monochromacy



Original Color

48.1208, 50.5035, 52.5593

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.9391, 50.3731, 54.2100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1208, 50.5035, 52.5593 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(191, 188, 184)` looks like.

```
.text, #text, p{  
    color:rgb(191, 188, 184)  
}
```

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(191, 188, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 188, 184) }
```

Border

The CSS property to change the border of an element to XYZ 48.1208, 50.5035, 52.5593 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(191, 188, 184) }
```


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

```
.border{ border-color:rgb(191, 188, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 188, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 188, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 188, 184);  
box-shadow:4px 4px 4px 4px rgb(191, 188,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1208, 50.5035, 52.5593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 188, 184) }
```

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

```
.background{ background-color: rgb(191,  
188, 184) }
```

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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