

Converting Colors

XYZ(46.7073, 48.5416, 52.2735)

Have a look what the booklet for
XYZ(46.7073, 48.5416, 52.2735)
contains.

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Color

**XYZ(46.7785, 48.5605,
52.2550)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | BDB8B8 |
| RGB | 189, 184, 184 |
| RGB Percent | 74%, 72%, 72% |
| CMY | 0.2588, 0.2784, 0.2784 |
| CMYK | 0.00, 0.03, 0.03, 0.26 |
| HSL | 0°, 4%, 73% |
| HSV | 0°, 3%, 74% |
| XYZ | 46.7785, 48.5605, 52.2550 |
| YIQ | 185.4950, 2.9800, 1.0600 |

Conversions

Conversions Part 2

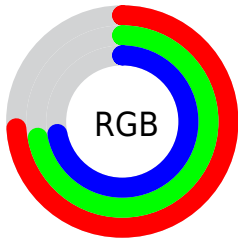
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 189, 184, 184 |
| Decimal | 12433592 |
| CIE Lab | 75.18, 1.76, 0.62 |
| CIE LCh | 75, 1.866, 19.281 |
| Yxy | 48.5605, 0.3169, 0.3290 |
| Android (android.graphics.Color) | 4290623672 (0xFFBDB8B8) |
| YUV | 185.4950, -0.7370, 3.0739 |
| Hunter-Lab | 69.6854, -2.1256, 4.3199 |

Details

The XYZ color **46.7785, 48.5605, 52.2550** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.1501, 50.2590, 55.3607**, and the grayscale version is **46.3938, 48.8099, 53.1540**.

A 20% lighter version of the original color is **84.5445, 88.0239, 94.9724**, and **22.3664, 23.1055, 24.7537** is the 20% darker color. If you saturate the color by 10%, you get **41.2636, 40.4918, 41.2865**, and if you desaturate by 10%, it is **53.0848, 57.7870, 64.7945**.

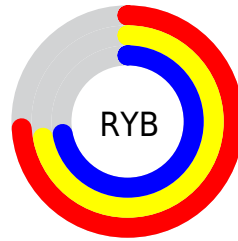
Distribution



Red (74%)

Green (72%)

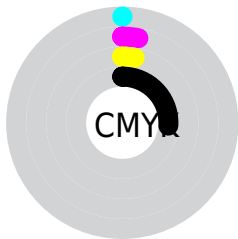
Blue (72%)



Red (74%)

Yellow (72%)

Blue (72%)

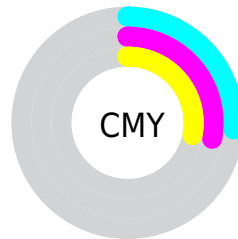


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (26%)



Cyan (26%)

Magenta (28%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7785, 48.5605, 52.2550 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 46.7785, 48.5605, 52.2550 by changing the saturation by 10% instead.

■ 46.7785, 48.5605,
52.2550

■ 46.7785, 48.5605,
52.2550

364.5934,
381.0095, 412.4052

■ 33.0678, 34.2710,
36.8247

■ 84.6037, 88.0383,
94.9376

■ 22.3379, 23.1018,
24.7771

109.4488,
113.9955, 123.0270

■ 14.2234, 14.6687,
15.6936

138.7362,
144.6105, 156.1732

■ 8.3589, 8.5872,
9.1556

172.8311,
180.2680, 194.7948

■ 4.3792, 4.4729,
4.7446

212.0989,
221.3522, 239.3102

■ 1.9188, 1.9415,
2.0421

256.9050,

■ 0.5877, 0.5731,

268.2477, 290.1381

0.5810

307.6147,
321.3386, 347.6969

■ 0.0000, 0.0000,
0.0000

■ 46.7785, 48.5605,
52.2550

■ 46.7785, 48.5605,
52.2550

■ 41.2636, 40.4918,
41.2865

■ 53.0848, 57.7870,
64.7945

■ 36.5048, 33.5291,
31.8239

■ 60.2076, 68.2079,
78.9600

■ 32.4706, 27.6263,
23.8027

■ 68.1761, 79.8659,
94.8080

■ 29.1253, 22.7314,
17.1520

■ 74.7966, 89.5590,
107.9522

■ 26.4306, 18.7881,
11.7952

■ 24.3440, 15.7345,
7.6482

■ 22.8184, 13.5016,
4.6170

■ 21.7995, 12.0100,
2.5934

■ 21.2224, 11.1649,
1.4484

Harmonies

Analogous

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



46.8041, 48.5605, 53.2250



46.7785, 48.5605, 52.2550



46.5854, 48.5605, 51.4602

Triad

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



46.7785, 48.5605, 52.2550



45.6589, 48.5605, 51.6556



46.0332, 48.5605, 54.7453

Complementary

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



46.7785, 48.5605, 52.2550



47.1501, 50.2590, 55.3607

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.



45.7278, 48.5605, 54.3137



46.7785, 48.5605, 52.2550



45.5125, 48.5605, 52.5248

Square

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



46.7785, 48.5605, 52.2550



45.9386, 48.5605, 51.1171



45.5377, 48.5605, 53.4981



46.3727, 48.5605, 54.6709

Rectangle

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



46.7785, 48.5605, 52.2550



46.3882, 48.5605, 51.1329



45.5377, 48.5605, 53.4981



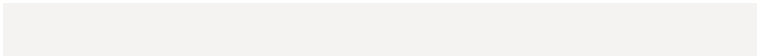
45.9231, 48.5605, 54.6544

Sweetspot

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



46.7799, 48.5626, 52.2561



85.5239, 89.5235, 97.0540



47.3128, 48.7747, 55.0656



18.4037, 19.2694, 20.8952



90.7827, 95.5105, 104.0109



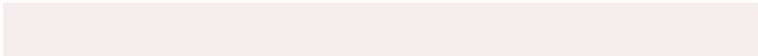
18.6292, 19.5994, 21.3438

Same Dimension

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



46.7799, 48.5626, 52.2561



83.3570, 86.3532, 92.7450



47.3031, 49.6091, 52.4305



10.2273, 10.5566, 11.3005



14.1214, 7.2815, 0.6612



0.5533, 0.2856, 0.0260

Inverse Universe

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



47.1501, 50.2590, 55.3607



84.1189, 89.8444, 99.1344



46.6176, 49.1941, 55.1832



10.3425, 11.0845, 12.2666



18.4062, 26.9242, 36.6197



0.7212, 1.0550, 1.4345

Previews

White Background



This preview shows how the XYZ color 46.7785, 48.5605, 52.2550 looks on a white background.

Color Contrast Check

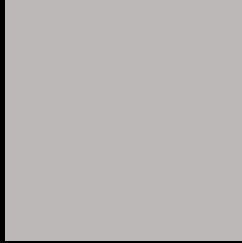
Large Text (above 18pt) WCAG AA × Fail

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 46.7785, 48.5605, 52.2550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

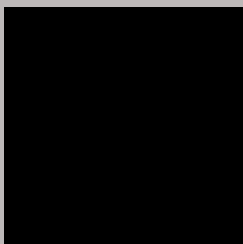
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

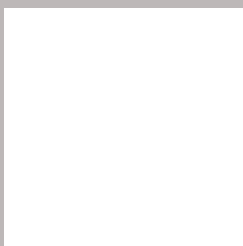
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7785, 48.5605, 52.2550

Background



This preview shows how black text looks on a background with the XYZ color 46.7785, 48.5605, 52.2550.

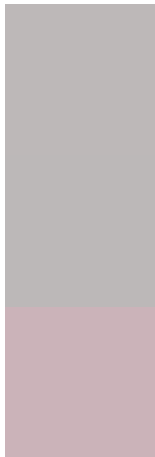


This preview shows how white text looks on a background with the XYZ color 46.7785, 48.5605,

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

46.7785, 48.5605, 52.2550

Protanopia

46.5313, 48.4330, 52.2435

Deuteranopia

49.5057, 48.4395, 52.6395



Tritanopia

48.1776, 48.5178, 59.0502

Trichromacy



Original Color

46.7785, 48.5605, 52.2550

Protanomaly

46.5313, 48.4330, 52.2435

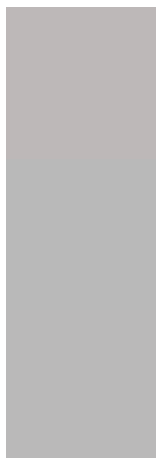
Deuteranomaly

48.5695, 48.5563, 52.7114

Tritanomaly

47.6831, 48.6199, 56.7406

Monochromacy



Original Color

46.7785, 48.5605, 52.2550

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.3556, 48.6398, 52.8442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7785, 48.5605, 52.2550 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(189, 184, 184)` looks like.

```
.text, #text, p{  
    color:rgb(189, 184, 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(189, 184, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 184, 184) }
```

Border

The CSS property to change the border of an element to XYZ 46.7785, 48.5605, 52.2550 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(189, 184, 184) }
```


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

```
.border{ border-color:rgb(189, 184, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 184, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 184, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 184, 184);  
box-shadow:4px 4px 4px 4px rgb(189, 184,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7785, 48.5605, 52.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 184, 184) }
```

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

```
.background{ background-color: rgb(189,  
184, 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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