

# Converting Colors

XYZ(46.3787, 48.2982, 53.9660)

Have a look what the booklet for  
XYZ(46.3787, 48.2982, 53.9660)  
contains.

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# **Color**

**XYZ(46.3598, 48.3079,  
53.8946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAB8BB
RGB	186, 184, 187
RGB Percent	73%, 72%, 73%
CMY	0.2706, 0.2784, 0.2667
CMYK	0.01, 0.02, 0.00, 0.27
HSL	280°, 2%, 73%
HSV	280°, 2%, 73%
XYZ	46.3598, 48.3079, 53.8946
YIQ	184.9400, 0.2290, 1.3570

# Conversions

## Conversions Part 2

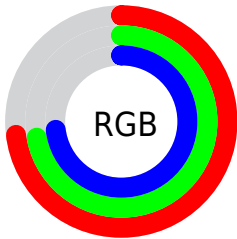
Format	Color
R <sub>Y</sub> B	186, 184, 187
Decimal	12236987
CIE Lab	75.02, 1.26, -1.28
CIE LCh	75, 1.796, 314.645
Yxy	48.3079, 0.3121, 0.3252
Android (android.graphics.Color)	4290427067 (0xFFBAB8BB)
YUV	184.9400, 1.0156, 0.9296
Hunter-Lab	69.5039, -2.5705, 2.6782

# Details

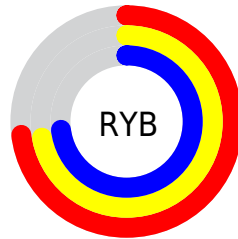
The XYZ color **46.3598, 48.3079, 53.8946** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.4314, 49.3169, 52.4217**, and the grayscale version is **46.0763, 48.4759, 52.7902**.

A 20% lighter version of the original color is **83.9557, 87.6685, 97.2908**, and **22.0922, 22.9404, 25.8178** is the 20% darker color. If you saturate the color by 10%, you get **41.2467, 40.2828, 52.6158**, and if you desaturate by 10%, it is **52.0553, 57.3983, 55.3498**.

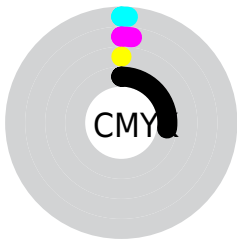
# Distribution



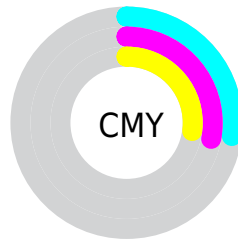
- Red (73%)
- Green (72%)
- Blue (73%)



- Red (73%)
- Yellow (72%)
- Blue (73%)



- Cyan (1%)
- Magenta (2%)
- Yellow (0%)
- Black (27%)



- Cyan (27%)
- Magenta (28%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3598, 48.3079, 53.8946 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 46.3598, 48.3079, 53.8946 by changing the saturation by 10% instead.



■ 46.3598, 48.3079,  
53.8946

■ 46.3598, 48.3079,  
53.8946

362.9450,  
380.0113, 418.8712

■ 32.7357, 34.0708,  
38.1248

■ 83.9818, 87.6627,  
97.3743

■ 22.0823, 22.9480,  
25.7770

108.7103,  
113.5491, 125.9213

■ 14.0343, 14.5551,  
16.4326

137.8711,  
144.0874, 159.5644

■ 8.2264, 8.5077,  
9.6731

171.8294,  
179.6620, 198.7223

■ 4.2932, 4.4215,  
5.0800

210.9506,  
220.6573, 243.8133

■ 1.8693, 1.9120,  
2.2347

255.6000,

■ 0.5589, 0.5556,

267.4577, 295.2561

0.6943

306.1430,  
320.4476, 353.4692

■ 0.0000, 0.0000,  
0.0000

■ 46.3598, 48.3079,  
53.8946

■ 46.3598, 48.3079,  
53.8946

■ 41.2467, 40.2828,  
52.6158

■ 52.0553, 57.3983,  
55.3498

■ 36.6912, 33.2763,  
51.5035

■ 58.3489, 67.5860,  
56.9845

■ 32.6724, 27.2474,  
50.5517

■ 65.2606, 78.9092,  
58.8058

■ 29.1666, 22.1502,  
49.7526

■ 71.5825, 88.9510,  
60.4109

■ 26.1482, 17.9345,  
49.0979

■ 73.4047, 89.8904,  
60.4961

■ 23.5892, 14.5457,  
48.5787

■ 75.2970, 90.8659,  
60.5847

■ 21.4583, 11.9229,  
48.1848

■ 77.2603, 91.8780,  
60.6766

■ 19.7201, 9.9963,  
47.9045

■ 79.2953, 92.9271,  
60.7718

■ 18.3325, 8.6832,  
47.7242

■ 81.4026, 94.0134,  
60.8704

# Harmonies

## Analogous

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



46.0748, 48.3079, 54.3660



46.3598, 48.3079, 53.8946



46.5260, 48.3079, 53.0788

# Triad

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



46.3598, 48.3079, 53.8946



46.0824, 48.3079, 50.8766



45.3077, 48.3079, 53.0571

# Complementary

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



46.3598, 48.3079, 53.8946



46.4314, 49.3169, 52.4217

# 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.



45.3098, 48.3079, 52.1223



46.3598, 48.3079, 53.8946



45.7559, 48.3079, 50.8709

# Square

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



46.3598, 48.3079, 53.8946



46.3654, 48.3079, 51.3401



45.4735, 48.3079, 51.3245



45.4680, 48.3079, 53.8785



# Rectangle

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



46.3598, 48.3079, 53.8946



46.5467, 48.3079, 52.4530



45.4735, 48.3079, 51.3245



45.2895, 48.3079, 52.7455

# Sweetspot

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



46.3612, 48.3100, 53.8957



84.5950, 89.0005, 96.9216



46.0981, 48.4990, 53.9460



18.6292, 19.5994, 21.3438



90.7827, 95.5105, 104.0109

# Same Dimension

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



46.3612, 48.3100, 53.8957



82.6168, 85.8653, 96.4207



46.5569, 48.4164, 53.6540



10.4910, 10.9141, 12.2259



12.0465, 5.4963, 32.8189



0.5386, 0.2497, 1.2887

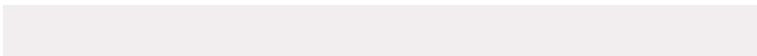


# Inverse Universe

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



46.3926, 48.3507, 52.7888



82.6886, 85.9580, 93.9115



46.2382, 49.2118, 52.6591



10.4993, 10.9249, 11.9328



14.7572, 7.5340, 4.0151



0.6090, 0.3075, 0.3205



# Previews

## White Background



This preview shows how the XYZ color 46.3598, 48.3079, 53.8946 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 46.3598, 48.3079, 53.8946 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

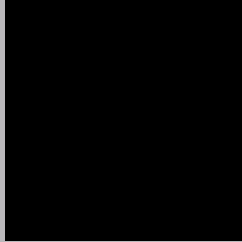
Any Text WCAG AAA ✓ Pass

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

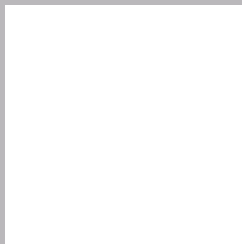


**XYZ 46.3598, 48.3079, 53.8946**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.3598, 48.3079, 53.8946.



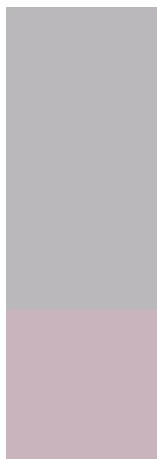
This preview shows how white text looks on a background with the XYZ color 46.3598, 48.3079,



# 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

46.3598, 48.3079, 53.8946

### Protanopia

46.6036, 48.4336, 53.9061

### Deuteranopia

49.2846, 48.2885, 54.3000



## Tritanopia

47.5450, 48.1785, 59.6168

# Trichromacy



## Original Color

46.3598, 48.3079, 53.8946

## Protanomaly

46.6036, 48.4336, 53.9061

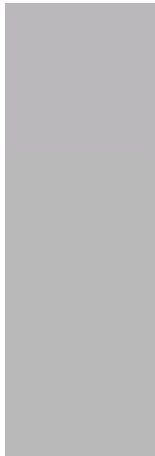
## Deuteranomaly

48.3659, 48.4143, 54.3727

## Tritanomaly

47.0526, 48.2820, 57.2915

# Monochromacy



## Original Color

46.3598, 48.3079, 53.8946

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

46.2195, 48.5574, 53.3909

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.3598, 48.3079, 53.8946 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(186, 184, 187) looks like.

```
.text, #text, p{  
    color:rgb(186, 184, 187)  
}
```

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(186, 184, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 184, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 46.3598, 48.3079, 53.8946 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(186, 184, 187) }
```

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

```
.border{ border-color:rgb(186, 184, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 184, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 184, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 184, 187);  
box-shadow:4px 4px 4px 4px rgb(186, 184,  
187) }
```



# Background

The CSS property to change the background color of an element to XYZ 46.3598, 48.3079, 53.8946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 184, 187) }
```

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

```
.background{ background-color: rgb(186,  
184, 187) }
```

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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