

Converting Colors

XYZ(46.3660, 48.7410, 51.6646)

Have a look what the booklet for
XYZ(46.3660, 48.7410, 51.6646)
contains.

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Color

**XYZ(46.3897, 48.6816,
51.7512)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB9B7
RGB	187, 185, 183
RGB Percent	73%, 73%, 72%
CMY	0.2667, 0.2745, 0.2823
CMYK	0.00, 0.01, 0.02, 0.27
HSL	30°, 3%, 73%
HSV	30°, 2%, 73%
XYZ	46.3897, 48.6816, 51.7512
YIQ	185.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

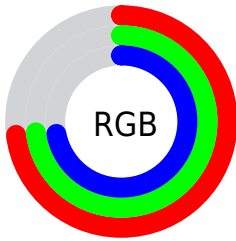
Format	Color
RYB	187, 187, 183
Decimal	12302775
CIELab	75.25, 0.34, 1.25
CIElCh	75, 1.296, 74.896
Yxy	48.6816, 0.3160, 0.3316
Android (android.graphics.Color)	4290492855 (0xFFBBB9B7)
YUV	185.3700, -1.1684, 1.4295
Hunter-Lab	69.7722, -3.4214, 4.8642

Details

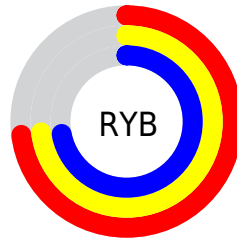
The XYZ color **46.3897, 48.6816, 51.7512** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.8470, 48.3524, 53.9309**, and the grayscale version is **46.3268, 48.7394, 53.0773**.

A 20% lighter version of the original color is **83.9974, 88.1973, 94.2580**, and **22.1120, 23.1826, 24.4283** is the 20% darker color. If you saturate the color by 10%, you get **42.6826, 44.1776, 41.5422**, and if you desaturate by 10%, it is **50.4864, 53.5497, 63.3671**.

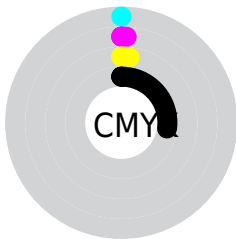
Distribution



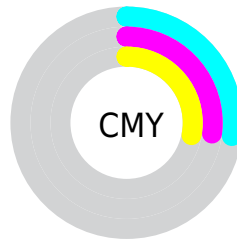
- Red (73%)
- Green (73%)
- Blue (72%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3897, 48.6816, 51.7512 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 46.3897, 48.6816, 51.7512 by changing the saturation by 10% instead.

■ 46.3897, 48.6816,
51.7512

■ 46.3897, 48.6816,
51.7512

363.0629,
381.4875, 410.4049

■ 32.7594, 34.3670,
36.4259

■ 84.0262, 88.2184,
94.1871

■ 22.1005, 23.1757,
24.4710

108.7631,
114.2093, 122.1347

■ 14.0478, 14.7233,
15.4680

137.9329,
144.8611, 155.1269

■ 8.2358, 8.6254,
8.9982

171.9010,
180.5583, 193.5822

■ 4.2993, 4.4977,
4.6432

211.0326,
221.6851, 237.9191

■ 1.8728, 1.9557,
1.9844

255.6933,

■ 0.5610, 0.5815,

268.6259, 288.5562

0.5457

306.2483,
321.7653, 345.9119

■ 0.0000, 0.0000,
0.0000

■ 46.3897, 48.6816,
51.7512

■ 46.3897, 48.6816,
51.7512

■ 42.6826, 44.1776,
41.5422

■ 50.4864, 53.5497,
63.3671

■ 39.3484, 40.0225,
32.6829

■ 54.9806, 58.7842,
76.4380

■ 36.3753, 36.2090,
25.1167

■ 59.8850, 64.3954,
91.0133

■ 33.7490, 32.7273,
18.7817

■ 64.7561, 70.2095,
104.7465

■ 31.4543, 29.5671,
13.6110

■ 67.3095, 75.3164,
105.5977

■ 29.4747, 26.7172,
9.5312

■ 70.0024, 80.7022,
106.4953

■ 27.7919, 24.1659,
6.4604

■ 72.8369, 86.3712,
107.4401

■ 26.3854, 21.9000,
4.3049

■ 74.3038, 89.3049,
107.9291

■ 25.2310, 19.9048,
2.9530

Harmonies

Analogous

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



46.5952, 48.6816, 52.0867



46.3897, 48.6816, 51.7512



46.1529, 48.6816, 51.7500

Triad

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



46.3897, 48.6816, 51.7512



45.8297, 48.6816, 53.3435



46.5940, 48.6816, 53.9395

Complementary

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



46.3897, 48.6816, 51.7512



45.8470, 48.3524, 53.9309

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.



46.3881, 48.6816, 54.2821



46.3897, 48.6816, 51.7512



45.9471, 48.6816, 53.9361

Square

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



46.3897, 48.6816, 51.7512



45.8302, 48.6816, 52.6653



46.1513, 48.6816, 54.2809



46.7134, 48.6816, 53.3481

Rectangle

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



46.3897, 48.6816, 51.7512



46.0092, 48.6816, 51.9387



46.1513, 48.6816, 54.2809



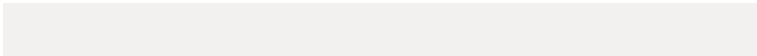
46.5326, 48.6816, 54.0878

Sweetspot

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



46.3911, 48.6837, 51.7523



83.8737, 88.1373, 94.8954



46.1846, 47.9353, 52.7178



18.4785, 19.4189, 20.9201



90.7827, 95.5105, 104.0109



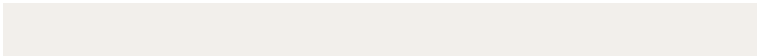
18.6292, 19.5994, 21.3438

Same Dimension

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



46.3911, 48.6837, 51.7523



82.4527, 86.4307, 90.9211



46.8117, 49.5250, 51.8925



10.3898, 10.8816, 11.3547



16.9293, 12.8975, 1.5972



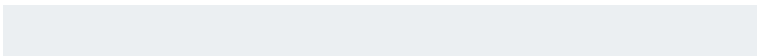
0.7286, 0.6360, 0.0844

Inverse Universe

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



45.8470, 48.3524, 53.9309



81.0723, 85.5900, 96.4490



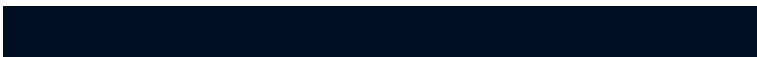
45.4322, 47.5228, 53.7926



10.1759, 10.7513, 12.2111



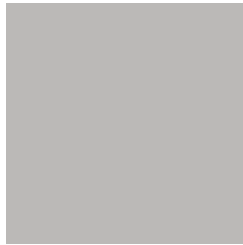
8.9703, 8.0522, 33.4744



0.4168, 0.4463, 1.3330

Previews

White Background



This preview shows how the XYZ color 46.3897, 48.6816, 51.7512 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 46.3897, 48.6816, 51.7512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

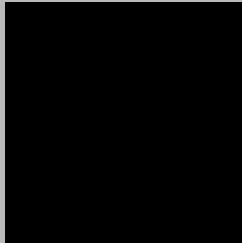
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

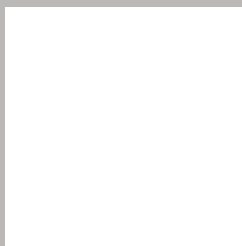
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3897, 48.6816, 51.7512

Background



This preview shows how black text looks on a background with the XYZ color 46.3897, 48.6816, 51.7512.



This preview shows how white text looks on a background with the XYZ color 46.3897, 48.6816,

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

46.3897, 48.6816, 51.7512

Protanopia

46.6740, 48.5187, 51.7048

Deuteranopia

49.4004, 48.3974, 52.0853



Tritanopia

47.9978, 48.7170, 59.6969

Trichromacy



Original Color

46.3897, 48.6816, 51.7512

Protanomaly

46.4268, 48.3912, 51.6932

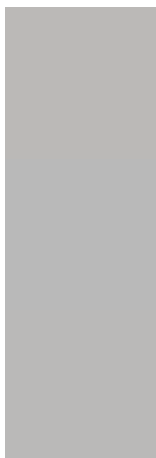
Deuteranomaly

48.2016, 48.3788, 52.1449

Tritanomaly

47.3940, 48.7781, 56.7864

Monochromacy



Original Color

46.3897, 48.6816, 51.7512

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.2504, 48.5977, 52.2900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3897, 48.6816, 51.7512 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(187, 185, 183)` looks like.

```
.text, #text, p{  
    color:rgb(187, 185, 183)  
}
```

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(187, 185, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 185, 183) }
```

Border

The CSS property to change the border of an element to XYZ 46.3897, 48.6816, 51.7512 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(187, 185, 183) }
```


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

```
.border{ border-color:rgb(187, 185, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 185, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 185, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 185, 183);  
box-shadow:4px 4px 4px 4px rgb(187, 185,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3897, 48.6816, 51.7512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 185, 183) }
```

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

```
.background{ background-color: rgb(187,  
185, 183) }
```

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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