

Converting Colors

XYZ(46.5690, 48.3750, 51.4652)

Have a look what the booklet for
XYZ(46.5690, 48.3750, 51.4652)
contains.

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Color

**XYZ(46.6740, 48.5187,
51.7048)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB8B7
RGB	189, 184, 183
RGB Percent	74%, 72%, 72%
CMY	0.2588, 0.2784, 0.2823
CMYK	0.00, 0.03, 0.03, 0.26
HSL	10°, 4%, 73%
HSV	10°, 3%, 74%
XYZ	46.6740, 48.5187, 51.7048
YIQ	185.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

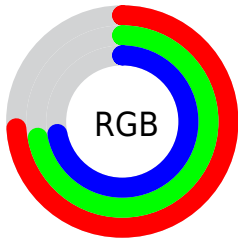
Format	Color
R_{YB}	189, 184, 183
Decimal	12433591
CIE Lab	75.15, 1.58, 1.12
CIE LCh	75, 1.938, 35.397
Yxy	48.5187, 0.3177, 0.3303
Android (android.graphics.Color)	4290623671 (0xFFBDB8B7)
YUV	185.3810, -1.1738, 3.1739
Hunter-Lab	69.6554, -2.2893, 4.7481

Details

The XYZ color **46.6740, 48.5187, 51.7048** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.6969, 49.7071, 55.2780**, and the grayscale version is **46.3324, 48.7453, 53.0837**.

A 20% lighter version of the original color is **84.3963, 87.9646, 94.1921**, and **22.2989, 23.0785, 24.3984** is the 20% darker color. If you saturate the color by 10%, you get **41.7481, 41.6062, 41.0003**, and if you desaturate by 10%, it is **52.2306, 56.2687, 63.9240**.

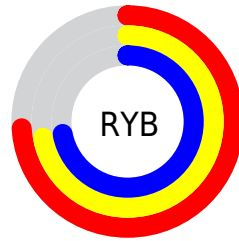
Distribution



Red (74%)

Green (72%)

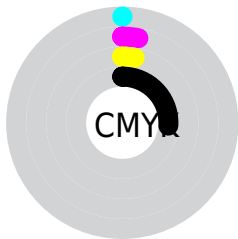
Blue (72%)



Red (74%)

Yellow (72%)

Blue (72%)

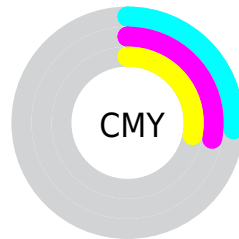


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (26%)



Cyan (26%)

Magenta (28%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6740, 48.5187, 51.7048 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 46.6740, 48.5187, 51.7048 by changing the saturation by 10% instead.

■ 46.6740, 48.5187,
51.7048

■ 46.6740, 48.5187,
51.7048

364.1824,
380.8445, 410.2204

■ 32.9849, 34.2378,
36.3892

■ 84.4485, 87.9762,
94.1179

■ 22.2740, 23.0764,
24.4429

109.2646,
113.9216, 122.0525

■ 14.1761, 14.6499,
15.4472

138.5204,
144.5240, 155.0304

■ 8.3258, 8.5741,
8.9838

172.5813,
180.1678, 193.4704

■ 4.3577, 4.4644,
4.6339

211.8126,
221.2373, 237.7908

■ 1.9064, 1.9366,
1.9792

256.5796,

■ 0.5806, 0.5702,

268.1170, 288.4102

0.5424

307.2478,
321.1913, 345.7473

■ 0.0000, 0.0000,
0.0000

■ 46.6740, 48.5187,
51.7048

■ 46.6740, 48.5187,
51.7048

■ 41.7481, 41.6062,
41.0003

■ 52.2306, 56.2687,
63.9240

■ 37.4266, 35.4969,
31.7484

■ 58.4351, 64.8765,
77.7106

■ 33.6871, 30.1636,
23.8873

■ 65.3089, 74.3695,
93.1185

■ 30.5045, 25.5749,
17.3494

■ 72.2860, 84.5379,
107.1153

■ 27.8517, 21.6976,
12.0618

■ 74.7965, 89.5590,
107.9522

■ 25.6992, 18.4956,
7.9440

■ 24.0148, 15.9299,
4.9065

■ 22.7620, 13.9571,
2.8466

■ 21.8989, 12.5285,
1.6414

Harmonies

Analogous

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



46.7982, 48.5187, 52.6450



46.6740, 48.5187, 51.7048



46.4002, 48.5187, 51.0718

Triad

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



46.6740, 48.5187, 51.7048



45.4980, 48.5187, 52.0192



46.1798, 48.5187, 54.7980

Complementary

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



46.6740, 48.5187, 51.7048



46.6969, 49.7071, 55.2780

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.



45.8321, 48.5187, 54.6253



46.6740, 48.5187, 51.7048



45.4396, 48.5187, 53.0126

Square

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



46.6740, 48.5187, 51.7048



45.7215, 48.5187, 51.2517



45.5616, 48.5187, 53.9686



46.5119, 48.5187, 54.4376

Rectangle

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



46.6740, 48.5187, 51.7048



46.1703, 48.5187, 50.9047



45.5616, 48.5187, 53.9686



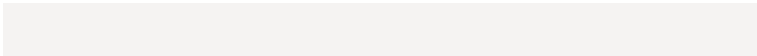
46.0608, 48.5187, 54.8004

Sweetspot

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



46.6754, 48.5208, 51.7059



85.6456, 89.7669, 97.0946



46.9975, 48.3174, 54.4267



18.4285, 19.3191, 20.9035



90.7827, 95.5105, 104.0109



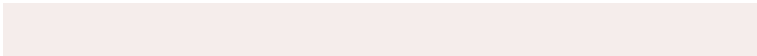
18.6292, 19.5994, 21.3438

Same Dimension

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



46.6754, 48.5208, 51.7059



82.7646, 85.7384, 90.7903



47.3045, 49.7791, 51.9156



10.1737, 10.5138, 11.0842



14.4994, 8.0376, 0.7872



0.6086, 0.3962, 0.0444

Inverse Universe

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



46.6969, 49.7071, 55.2780



82.8138, 88.4424, 98.9325



46.0634, 48.4401, 55.0668



10.1807, 10.8973, 12.2390



14.3857, 18.8832, 35.2795



0.6001, 0.8129, 1.3941

Previews

White Background



This preview shows how the XYZ color 46.6740, 48.5187, 51.7048 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 46.6740, 48.5187, 51.7048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

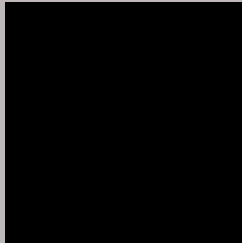
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

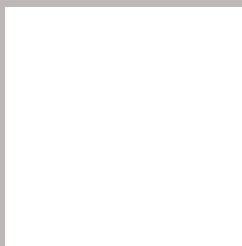
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6740, 48.5187, 51.7048

Background



This preview shows how black text looks on a background with the XYZ color 46.6740, 48.5187, 51.7048.

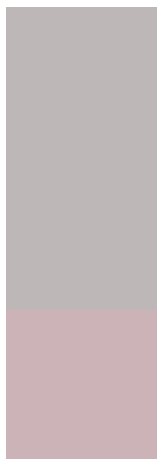


This preview shows how white text looks on a background with the XYZ color 46.6740, 48.5187,

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

46.6740, 48.5187, 51.7048

Protanopia

46.6740, 48.5187, 51.7048

Deuteranopia

49.4004, 48.3974, 52.0853



Tritanopia

48.1776, 48.5178, 59.0502

Trichromacy



Original Color

46.6740, 48.5187, 51.7048

Protanomaly

46.6740, 48.5187, 51.7048

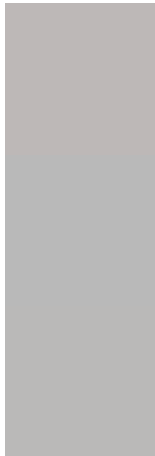
Deuteranomaly

48.4643, 48.5142, 52.1572

Tritanomaly

47.5727, 48.5757, 56.1589

Monochromacy



Original Color

46.6740, 48.5187, 51.7048

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 46.6740, 48.5187, 51.7048 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(189, 184, 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(189, 184, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 184, 183) }
```

Border

The CSS property to change the border of an element to XYZ 46.6740, 48.5187, 51.7048 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, 183) }
```


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

```
.border{ border-color:rgb(189, 184, 183) }
```

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, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 184, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 184, 183);  
box-shadow:4px 4px 4px 4px rgb(189, 184,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6740, 48.5187, 51.7048 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, 183) }
```

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

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