

Converting Colors

XYZ(46.7749, 51.1904, 48.4904)

Have a look what the booklet for
XYZ(46.7749, 51.1904, 48.4904)
contains.

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Color

**XYZ(46.6937, 51.1482,
48.4859)**

Conversions

Conversions Part 1

Format	Color
Hex	B9C0B0
RGB	185, 192, 176
RGB Percent	73%, 75%, 69%
CMY	0.2745, 0.2470, 0.3098
CMYK	0.04, 0.00, 0.08, 0.25
HSL	86°, 11%, 72%
HSV	86°, 8%, 75%
XYZ	46.6937, 51.1482, 48.4859
YIQ	188.0830, 0.9640, -6.4600

Conversions

Conversions Part 2

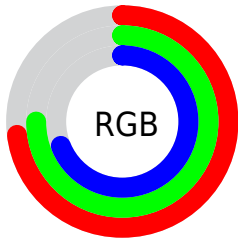
Format	Color
RYB	176, 192, 183
Decimal	12173488
CIELab	76.77, -5.34, 7.22
CIELCh	77, 8.979, 126.480
Yxy	51.1482, 0.3191, 0.3495
Android (android.graphics.Color)	4290363568 (0xFFB9C0B0)
YUV	188.0830, -5.9569, -2.7038
Hunter-Lab	71.5180, -8.6148, 9.8667

Details

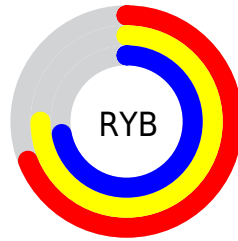
The XYZ color **46.6937, 51.1482, 48.4859** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.5703, 44.9252, 56.1943**, and the grayscale version is **47.8807, 50.3743, 54.8576**.

A 20% lighter version of the original color is **84.4085, 91.6618, 89.5876**, and **22.3864, 24.8260, 22.6808** is the 20% darker color. If you saturate the color by 10%, you get **42.9595, 49.4288, 39.0858**, and if you desaturate by 10%, it is **50.8193, 53.0413, 59.3091**.

Distribution



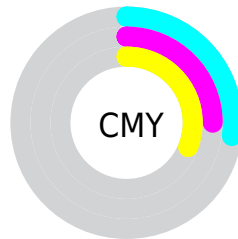
- Red (73%)
- Green (75%)
- Blue (69%)



- Red (69%)
- Yellow (75%)
- Blue (72%)



- Cyan (4%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)



- Cyan (27%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6937, 51.1482, 48.4859 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 46.6937, 51.1482, 48.4859 by changing the saturation by 10% instead.

■ 46.6937, 51.1482,
48.4859

■ 46.6937, 51.1482,
48.4859

364.2599,
391.1393, 397.2790

■ 33.0005, 36.3266,
33.8491

■ 84.4778, 91.8738,
89.3005

■ 22.2861, 24.6865,
22.5013

109.2993,
118.5466, 116.3154

■ 14.1850, 15.8437,
14.0239

138.5611,
149.9385, 148.2934

■ 8.3320, 9.4136,
7.9983

172.6284,
186.4339, 185.6530

■ 4.3617, 5.0119,
4.0061

211.8666,
228.4174, 228.8129

■ 1.9087, 2.2543,
1.6287

256.6410,

■ 0.5819, 0.7493,

276.2731, 278.1915

0.3112

307.3170,
330.3857, 334.2073

■ 0.0000, 0.0000,
0.0000

■ 46.6937, 51.1482,
48.4859

■ 46.6937, 51.1482,
48.4859

■ 42.9595, 49.4288,
39.0858

■ 50.8193, 53.0413,
59.3091

■ 39.5992, 47.8710,
31.0463

■ 55.3447, 55.1067,
71.6078

■ 36.6001, 46.4710,
24.3052

■ 60.2832, 57.3516,
85.4359

■ 33.9471, 45.2226,
18.7941

■ 65.6462, 59.7809,
100.8433

■ 31.6237, 44.1189,
14.4383

■ 68.5845, 61.2550,
102.8163

■ 29.6121, 43.1524,
11.1550

■ 71.3004, 62.6551,
102.9434

■ 27.8920, 42.3149,
8.8505

■ 74.1475, 64.1228,
103.0767

■ 26.4402, 41.5967,
7.4148

■ 77.1275, 65.6590,
103.2161

■ 25.2208, 40.9833,
6.6731

■ 78.1407, 66.1814,
103.2636

Harmonies

Analogous

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



48.2462, 51.1482, 46.8830



46.6937, 51.1482, 48.4859



45.6735, 51.1482, 52.0322

Triad

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



46.6937, 51.1482, 48.4859



47.3197, 51.1482, 64.7415



51.9418, 51.1482, 54.6399

Complementary

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



46.6937, 51.1482, 48.4859



44.5703, 44.9252, 56.1943

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.



51.6798, 51.1482, 59.5189



46.6937, 51.1482, 48.4859



48.9854, 51.1482, 65.5399

Square

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



46.6937, 51.1482, 48.4859



46.0290, 51.1482, 61.4559



50.5879, 51.1482, 63.5782



51.2958, 51.1482, 50.2996

Rectangle

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



46.6937, 51.1482, 48.4859



45.4189, 51.1482, 55.1179



50.5879, 51.1482, 63.5782



51.9572, 51.1482, 56.2694

Sweetspot

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



46.6951, 51.1504, 48.4870



88.4657, 94.4491, 97.8900



46.4964, 48.1824, 47.9246



18.8490, 20.2029, 20.6601



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.



46.6951, 51.1504, 48.4870



83.3170, 92.0847, 84.5527



44.8344, 50.1912, 48.3999



10.4741, 11.5319, 10.7357



16.9335, 27.5584, 4.4268



0.8097, 1.2309, 0.1949

Inverse Universe

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



44.5703, 44.9252, 56.1943



78.6818, 78.5043, 101.3662



46.5108, 45.9256, 56.2851



9.9372, 9.9588, 12.6833



8.9503, 3.8745, 33.8327



0.4657, 0.2081, 1.4655

Previews

White Background



This preview shows how the XYZ color 46.6937, 51.1482, 48.4859 looks on a white background.

Color Contrast Check

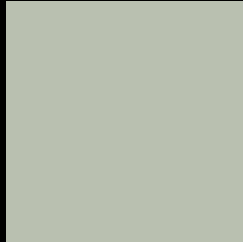
Large Text (above 18pt) WCAG AA × Fail

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 46.6937, 51.1482, 48.4859 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

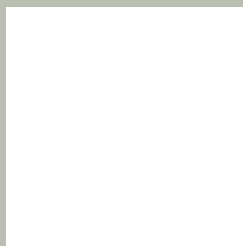
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6937, 51.1482, 48.4859

Background



This preview shows how black text looks on a background with the XYZ color 46.6937, 51.1482, 48.4859.



This preview shows how white text looks on a background with the XYZ color 46.6937, 51.1482,

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

46.6937, 51.1482, 48.4859

Protanopia

48.6025, 51.1869, 47.3628

Deuteranopia

52.1207, 51.0784, 49.2315



Tritanopia

49.7490, 51.0971, 63.7406

Trichromacy



Original Color

46.6937, 51.1482, 48.4859

Protanomaly

47.8895, 51.1285, 47.9022

Deuteranomaly

49.8518, 50.8487, 48.7823

Tritanomaly

48.5623, 50.9368, 57.7244

Monochromacy



Original Color

46.6937, 51.1482, 48.4859

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.3428, 50.4207, 52.5843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6937, 51.1482, 48.4859 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(185, 192, 176)` looks like.

```
.text, #text, p{  
    color:rgb(185, 192, 176)  
}
```

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(185, 192, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 192, 176) }
```

Border

The CSS property to change the border of an element to XYZ 46.6937, 51.1482, 48.4859 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(185, 192, 176) }
```


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

```
.border{ border-color:rgb(185, 192, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 192, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 192, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 192, 176);  
box-shadow:4px 4px 4px 4px rgb(185, 192,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6937, 51.1482, 48.4859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 192, 176) }
```

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

```
.background{ background-color: rgb(185,  
192, 176) }
```

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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