

Converting Colors

XYZ(46.8952, 53.3528, 42.6394)

Have a look what the booklet for
XYZ(46.8952, 53.3528, 42.6394)
contains.

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Color

**XYZ(46.8125, 53.3468,
42.4800)**

Conversions

Conversions Part 1

Format	Color
Hex	B9C6A3
RGB	185, 198, 163
RGB Percent	73%, 78%, 64%
CMY	0.2745, 0.2235, 0.3608
CMYK	0.07, 0.00, 0.18, 0.22
HSL	82°, 23%, 71%
HSV	82°, 18%, 78%
XYZ	46.8125, 53.3468, 42.4800
YIQ	190.1230, 3.4870, -13.6410

Conversions

Conversions Part 2

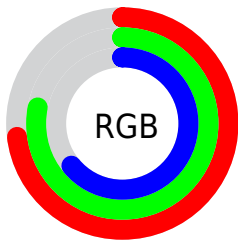
Format	Color
RYB	163, 198, 176
Decimal	12175011
CIELab	78.08, -10.65, 16.06
CIELCh	78, 19.276, 123.549
Yxy	53.3468, 0.3282, 0.3740
Android (android.graphics.Color)	4290365091 (0xFFB9C6A3)
YUV	190.1230, -13.3716, -4.4929
Hunter-Lab	73.0389, -13.4128, 16.6437

Details

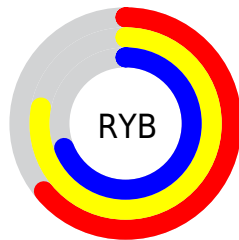
The XYZ color **46.8125, 53.3468, 42.4800** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.1969, 39.5032, 58.8825**, and the grayscale version is **49.0888, 51.6453, 56.2417**.

A 20% lighter version of the original color is **84.6905, 95.2827, 80.2574**, and **22.3582, 25.9997, 18.8790** is the 20% darker color. If you saturate the color by 10%, you get **43.4470, 51.8026, 33.7756**, and if you desaturate by 10%, it is **50.5505, 55.0541, 52.6540**.

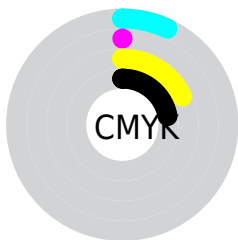
Distribution



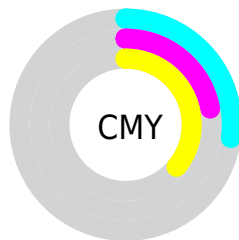
- Red (73%)
- Green (78%)
- Blue (64%)



- Red (64%)
- Yellow (78%)
- Blue (69%)



- Cyan (7%)
- Magenta (0%)
- Yellow (18%)
- Black (22%)





- Cyan (27%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8125, 53.3468, 42.4800 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 46.8125, 53.3468, 42.4800 by changing the saturation by 10% instead.


 46.8125, 53.3468,
42.4800


 46.8125, 53.3468,
42.4800


364.7270,
399.6142, 372.3271

 33.0948, 38.0797,
29.1490


 84.6541, 95.1145,
80.2035

 22.3586, 26.0445,
18.9470


 109.5087,
122.3839, 105.4330

 14.2387, 16.8570,
11.4556


138.8064,
154.4228, 135.4658

 8.3697, 10.1326,
6.2561

172.9123,
191.6156, 170.7203

 4.3862, 5.4869,
2.9301

212.1920,
234.3468, 211.6152

 1.9229, 2.5357,
1.0591

257.0108,

 0.5901, 0.8945,

283.0007, 258.5689

0.0000

307.7340,
337.9617, 312.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8125, 53.3468,
42.4800

■ 46.8125, 53.3468,
42.4800

■ 43.4470, 51.8026,
33.7756

■ 50.5505, 55.0541,
52.6540

■ 40.4354, 50.4087,
26.4693

■ 54.6702, 56.9231,
64.3578

■ 37.7640, 49.1611,
20.4891

■ 59.1855, 58.9613,
77.6521

■ 35.4160, 48.0530,
15.7550

■ 64.1086, 61.1736,
92.5936

■ 33.3731, 47.0769,
12.1782

■ 68.3025, 63.1055,
103.1884

■ 31.6149, 46.2245,
9.6584

■ 70.6022, 64.2910,
103.2960

■ 30.1174, 45.4859,
8.0783

■ 73.0014, 65.5279,
103.4083

■ 28.8469, 44.8476,
7.2681

■ 75.5013, 66.8166,
103.5253

■ 28.5716, 44.7085,
7.1237

■ 78.1031, 68.1579,
103.6470

Harmonies

Analogous

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



50.2582, 53.3468, 39.7716



46.8125, 53.3468, 42.4800



44.5023, 53.3468, 49.3412

Triad

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



46.8125, 53.3468, 42.4800



47.5515, 53.3468, 78.6687



58.2692, 53.3468, 56.8130

Complementary

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



46.8125, 53.3468, 42.4800



41.1969, 39.5032, 58.8825

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.



57.4578, 53.3468, 67.8065



46.8125, 53.3468, 42.4800



51.1535, 53.3468, 81.3025

Square

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



46.8125, 53.3468, 42.4800



44.9140, 53.3468, 70.2982



54.8065, 53.3468, 77.1098



56.9726, 53.3468, 47.3763

Rectangle

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



46.8125, 53.3468, 42.4800



43.8536, 53.3468, 55.7900



54.8065, 53.3468, 77.1098



58.2342, 53.3468, 60.4433

Sweetspot

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



46.8139, 53.3491, 42.4812



91.3433, 98.3185, 98.3645



45.3942, 45.6373, 41.0674



19.4428, 20.9949, 20.7493



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.8139, 53.3491, 42.4812



80.6514, 93.4384, 69.3209



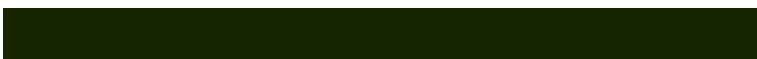
42.8842, 51.3233, 42.2972



11.1272, 12.2125, 11.3335



18.6769, 29.1236, 4.6370



0.9624, 1.4192, 0.2232

Inverse Universe

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



41.1969, 39.5032, 58.8825



68.9655, 64.6297, 103.4476



45.3696, 41.6543, 59.0778



10.4227, 10.4762, 13.3903



8.5306, 3.6320, 34.9958



0.4838, 0.2131, 1.6608

Previews

White Background



This preview shows how the XYZ color 46.8125, 53.3468, 42.4800 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 46.8125, 53.3468, 42.4800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

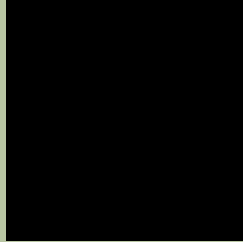
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

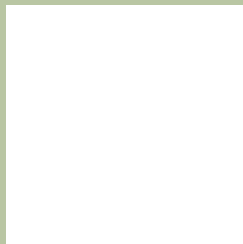
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8125, 53.3468, 42.4800

Background



This preview shows how black text looks on a background with the XYZ color 46.8125, 53.3468, 42.4800.



This preview shows how white text looks on a background with the XYZ color 46.8125, 53.3468,

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

46.8125, 53.3468, 42.4800

Protanopia

50.0966, 53.0747, 40.8618

Deuteranopia

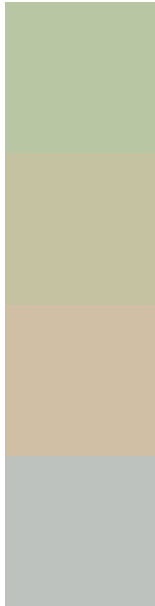
54.2606, 53.2431, 43.4935



Tritanopia

51.5980, 53.2806, 66.5962

Trichromacy



Original Color

46.8125, 53.3468, 42.4800

Protanomaly

48.7508, 53.0271, 41.3840

Deuteranomaly

51.2174, 52.9534, 43.1189

Tritanomaly

49.6820, 53.1640, 56.9334

Monochromacy



Original Color

46.8125, 53.3468, 42.4800

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.0472, 52.1266, 50.7091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8125, 53.3468, 42.4800 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, 198, 163)` looks like.

```
.text, #text, p{  
    color:rgb(185, 198, 163)  
}
```

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, 198, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 198, 163) }
```

Border

The CSS property to change the border of an element to XYZ 46.8125, 53.3468, 42.4800 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, 198, 163) }
```


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

```
.border{ border-color:rgb(185, 198, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 198, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 198, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 198, 163);  
box-shadow:4px 4px 4px 4px rgb(185, 198,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8125, 53.3468, 42.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 198, 163) }
```

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

```
.background{ background-color: rgb(185,  
198, 163) }
```

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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