

# Converting Colors

XYZ(42.5250, 48.3005, 35.9358)

Have a look what the booklet for  
XYZ(42.5250, 48.3005, 35.9358)  
contains.

<b>XYZ(42.5250, 48.3005, 35.9358)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(42.5250, 48.3005,  
35.9358)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4BD96
RGB	180, 189, 150
RGB Percent	71%, 74%, 59%
CMY	0.2941, 0.2588, 0.4118
CMYK	0.05, 0.00, 0.21, 0.26
HSL	74°, 23%, 66%
HSV	74°, 21%, 74%
XYZ	42.5250, 48.3005, 35.9358
YIQ	181.8630, 7.1550, -14.0370

# Conversions

## Conversions Part 2

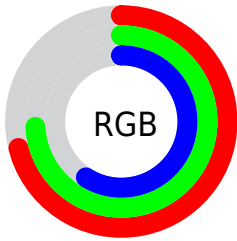
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 189, 159
Decimal	11845014
CIELab	75.01, -9.88, 18.71
CIELCh	75, 21.157, 117.850
Yxy	48.3005, 0.3355, 0.3810
Android (android.graphics.Color)	4290035094 (0xFFB4BD96)
YUV	181.8630, -15.7085, -1.6339
Hunter-Lab	69.4986, -12.4013, 17.9918

# Details

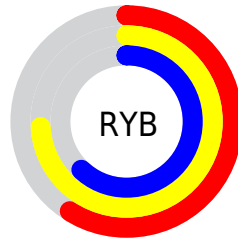
The XYZ color **42.5250, 48.3005, 35.9358** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.3917, 32.8591, 52.6766**, and the grayscale version is **44.4700, 46.7859, 50.9498**.

A 20% lighter version of the original color is **78.1436, 87.4973, 69.8968**, and **19.8087, 23.0212, 15.2039** is the 20% darker color. If you saturate the color by 10%, you get **40.1248, 47.2265, 28.5095**, and if you desaturate by 10%, it is **45.2053, 49.4934, 44.6586**.

# Distribution



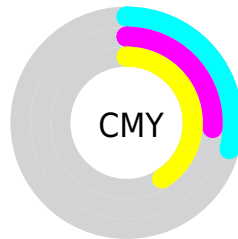
- Red (71%)
- Green (74%)
- Blue (59%)



- Red (59%)
- Yellow (74%)
- Blue (62%)



- Cyan (5%)
- Magenta (0%)
- Yellow (21%)
- Black (26%)




- Cyan (29%)
- Magenta (26%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5250, 48.3005, 35.9358 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 42.5250, 48.3005, 35.9358 by changing the saturation by 10% instead.





 42.5250, 48.3005,  
35.9358


 42.5250, 48.3005,  
35.9358


347.6094,  
379.9820, 343.7088

 29.7055, 34.0649,  
24.0953

 78.2538, 87.6517,  
70.1009

 19.7621, 22.9435,  
15.1915


 101.8937,  
113.5360, 93.2626

 12.3295, 14.5518,  
8.8058


129.8713,  
144.0721, 121.0351

 7.0423, 8.5054,  
4.5196

162.5517,  
179.6443, 153.8369

 3.5351, 4.4200,  
1.9145

200.3003,  
220.6370, 192.0867

 1.4427, 1.9112,  
0.5020

243.4826,

 0.2863, 0.5551,

267.4345, 236.2029

0.0000

292.4638,  
320.4214, 286.6041

■ 0.0000, 0.0000,  
0.0000

■ 42.5250, 48.3005,  
35.9358

■ 42.5250, 48.3005,  
35.9358

■ 40.1248, 47.2265,  
28.5095

■ 45.2053, 49.4934,  
44.6586

■ 37.9887, 46.2602,  
22.3148

■ 48.1731, 50.8035,  
54.7325

■ 36.1052, 45.3986,  
17.2857

■ 51.4402, 52.2370,  
66.2129

■ 34.4599, 44.6358,  
13.3488

■ 55.0167, 53.7981,  
79.1510

■ 33.0370, 43.9656,  
10.4225

■ 58.9121, 55.4906,  
93.5955

■ 31.8186, 43.3807,  
8.4137

■ 61.7523, 56.7649,  
102.3098

■ 30.7834, 42.8726,  
7.2122

■ 62.9820, 57.3988,  
102.3673

■ 29.9412, 42.4507,  
6.6157

■ 64.2457, 58.0502,  
102.4264

■ 65.5434, 58.7192,  
102.4872

# Harmonies

## Analogous

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



46.1874, 48.3005, 34.0693



42.5250, 48.3005, 35.9358



39.9023, 48.3005, 42.0640

# Triad

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



42.5250, 48.3005, 35.9358



42.0680, 48.3005, 72.7354



53.7378, 48.3005, 53.3932

# Complementary

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



42.5250, 48.3005, 35.9358



34.3917, 32.8591, 52.6766

# 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.



52.4883, 48.3005, 64.7424



42.5250, 48.3005, 35.9358



45.6301, 48.3005, 76.8409

# Square

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



42.5250, 48.3005, 35.9358



39.6490, 48.3005, 63.1675



49.4662, 48.3005, 73.7306



52.7936, 48.3005, 43.2664



# Rectangle

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



42.5250, 48.3005, 35.9358



39.0230, 48.3005, 48.2397



49.4662, 48.3005, 73.7306



53.5590, 48.3005, 57.1965

# Sweetspot

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



42.5263, 48.3026, 35.9368



83.3061, 89.6762, 87.8639



38.7967, 37.6298, 34.0733



17.8408, 19.2519, 18.6452



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.



42.5263, 48.3026, 35.9368



74.0508, 85.5621, 57.7401



38.4123, 46.1818, 35.7443



10.1010, 11.0065, 10.1687



20.2136, 28.5964, 4.4543



0.8453, 1.1478, 0.1770



# Inverse Universe

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



34.3917, 32.8591, 52.6766



56.7256, 52.6643, 93.4017



38.4419, 34.9471, 52.8661



9.2171, 9.3288, 11.9870



6.9252, 2.8562, 32.5792



0.3305, 0.1424, 1.2789



# Previews

## White Background



This preview shows how the XYZ color 42.5250, 48.3005, 35.9358 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

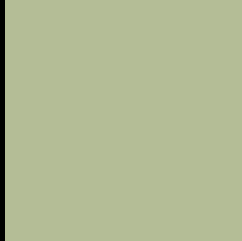
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.5250, 48.3005, 35.9358 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

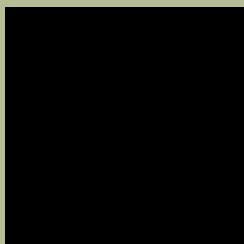
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

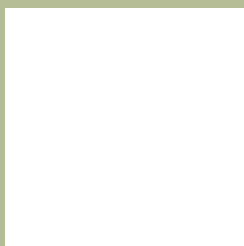
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.5250, 48.3005, 35.9358**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.5250, 48.3005, 35.9358.



This preview shows how white text looks on a background with the XYZ color 42.5250, 48.3005,

35.9358.

# 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

42.5250, 48.3005, 35.9358

### Protanopia

45.2507, 48.1549, 34.9268

### Deuteranopia

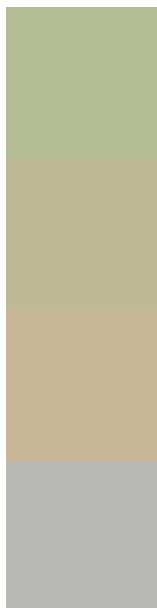
48.8302, 47.8574, 36.3695



## **Tritanopia**

47.5050, 48.4630, 59.6738

# Trichromacy



## Original Color

42.5250, 48.3005, 35.9358

## Protanomaly

44.2189, 48.2349, 35.4134

## Deuteranomaly

46.1972, 47.6996, 36.0503

## Tritanomaly

45.3543, 48.1836, 50.0899

# Monochromacy



## Original Color

42.5250, 48.3005, 35.9358

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

43.6607, 47.4240, 44.8828

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5250, 48.3005, 35.9358 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(180, 189, 150)` looks like.

```
.text, #text, p{  
    color:rgb(180, 189, 150)  
}
```

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(180, 189, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 189, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5250, 48.3005, 35.9358 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(180, 189, 150) }
```



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

```
.border{ border-color:rgb(180, 189, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 189, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 189, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 189, 150);  
box-shadow:4px 4px 4px 4px rgb(180, 189,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5250, 48.3005, 35.9358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 189, 150) }
```

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

```
.background{ background-color: rgb(180,  
189, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor