

Converting Colors

CIELCh(46, 33.542, 150.232)

Have a look what the booklet for
CIELCh(46, 33.542, 150.232)
contains.

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Color

CIELCh(46, 33.576, 150.189)

Conversions

Conversions Part 1

Format	Color
Hex	3E7950
RGB	62, 121, 80
RGB Percent	24%, 47%, 31%
CMY	0.7570, 0.5256, 0.6864
CMYK	0.49, 0.00, 0.34, 0.53
HSL	138°, 32%, 36%
HSV	138°, 49%, 47%
XYZ	10.2649, 15.2687, 9.9898
YIQ	98.6850, -22.0030, -25.2590

Conversions

Conversions Part 2

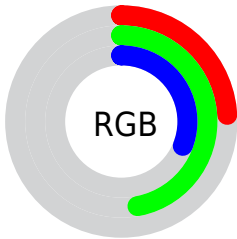
Format	Color
RYB	62, 107, 121
Decimal	4094288
CIELab	46.00, -29.13, 16.69
CIELCh	46, 33.576, 150.189
Yxy	15.2687, 0.2890, 0.4298
Android (android.graphics.Color)	4282284368 (0xFF3E7950)
YUV	98.6850, -9.2117, -32.1727
Hunter-Lab	39.0751, -21.4904, 12.1948

Details

The CIELCh color **46, 33.576, 150.189** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **35, 33.918, 338.109**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 33.537, 150.577**, and **26, 33.651, 150.071** is the 20% darker color. If you saturate the color by 10%, you get **45, 39.844, 148.902**, and if you desaturate by 10%, it is **47, 26.955, 151.317**.

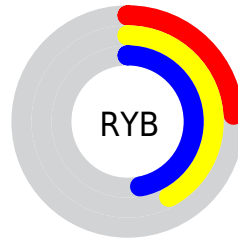
Distribution



Red (24%)

Green (47%)

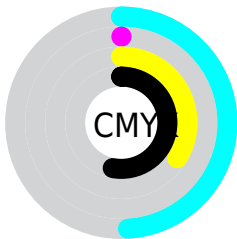
Blue (31%)



Red (24%)

Yellow (42%)

Blue (47%)

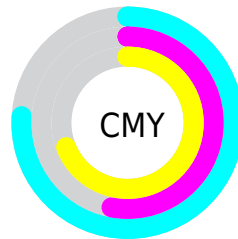


Cyan (49%)

Magenta (0%)

Yellow (34%)

Black (53%)



Cyan (76%)


Magenta (53%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 33.576, 150.189 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 CIELCh color 46, 33.576, 150.189 by changing the saturation by 10% instead.

 46, 33.576,
150.189


 46, 33.576,
150.189


 100, 33.576,
150.189


 36, 33.576,
150.189

 66, 33.576,
150.189


 26, 33.576,
150.189

 76, 33.576,
150.189

 16, 33.576,
150.189

 86, 33.576,
150.189

 6, 33.576, 150.189

 96, 33.576,
150.189

 0, 33.576, 150.189

 46, 33.576,

 46, 33.576,

150.189

150.189

■ 45, 39.844,
148.902

■ 47, 26.955,
151.317

■ 45, 45.635,
147.445

■ 48, 20.099,
152.304

■ 44, 50.839,
145.819

■ 49, 13.119,
153.170

■ 44, 55.373,
144.044

■ 50, 6.109, 153.945

■ 44, 59.300,
142.291

■ 51, 0.855, 334.296

■ 52, 7.715, 335.130

■ 44, 59.759,
142.101

■ 54, 14.431,
335.670

■ 55, 20.974,
336.147

■ 57, 27.328,

Harmonies

Complementary

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



46, 33.576, 150.189



35, 33.918, 338.109

Rectangle

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



46, 33.576, 150.189



46, 33.576, 200.189



46, 33.576, 330.189



46, 33.576, 20.189

Sweetspot

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



46, 33.577, 150.189



63, 13.039, 153.441



48, 34.407, 119.152



32, 8.851, 153.308



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 33.577, 150.189



58, 49.635, 148.666



47, 22.375, 178.668



25, 3.960, 153.922



45, 61.267, 142.028



87, 105.849, 140.897

Inverse Universe

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



35, 33.918, 338.109



42, 49.721, 339.206



34, 27.368, 9.477



24, 3.981, 335.050



27, 54.589, 344.529



56, 90.977, 345.705

Previews

White Background



This preview shows how the CIELCh color 46, 33.576, 150.189 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 46, 33.576, 150.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 33.576, 150.189

Background



This preview shows how black text looks on a background with the CIELCh color 46, 33.576, 150.189.



This preview shows how white text looks on a background with the CIELCh color 46, 33.576, 150.189.

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, 33.576, 150.189

Protanopia

46, 19.860, 95.467

Deuteranopia

46, 15.904, 67.708



Tritanopia
46, 15.536, 220.653

Trichromacy



Original Color
46, 33.576, 150.189

Protanomaly
45, 22.234, 125.642

Deuteranomaly
45, 16.212, 118.827

Tritanomaly
46, 18.379, 182.264

Monochromacy



Original Color
46, 33.576, 150.189

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 12.582, 152.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 33.576, 150.189 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(62, 121, 80)` looks like.

```
.text, #text, p{  
    color:rgb(62, 121, 80)  
}
```

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(62, 121, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 121, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 33.576, 150.189 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(62, 121, 80) }
```

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

```
.border{ border-color:rgb(62, 121, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 121, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 121, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 121, 80);  
box-shadow:4px 4px 4px 4px rgb(62, 121,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 33.576, 150.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 121, 80) }
```

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

```
.background{ background-color: rgb(62, 121,  
80) }
```

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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