

Converting Colors

CIELCh(46, 32.822, 132.669)

Have a look what the booklet for
CIELCh(46, 32.822, 132.669)
contains.

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Color

CIELCh(46, 32.999, 132.672)

Conversions

Conversions Part 1

Format	Color
Hex	547643
RGB	84, 118, 67
RGB Percent	33%, 46%, 26%
CMY	0.6703, 0.5370, 0.7370
CMYK	0.29, 0.00, 0.43, 0.54
HSL	100°, 28%, 36%
HSV	100°, 43%, 46%
XYZ	11.1650, 15.2687, 7.6798
YIQ	102.0200, -3.8930, -23.0690

Conversions

Conversions Part 2

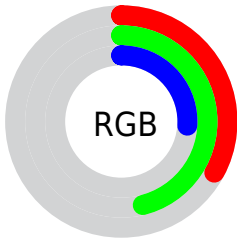
Format	Color
RYB	67, 118, 101
Decimal	5535299
CIELab	46.00, -22.37, 24.26
CIElCh	46, 32.999, 132.672
Yxy	15.2687, 0.3273, 0.4476
Android (android.graphics.Color)	4283725379 (0xFF547643)
YUV	102.0200, -17.2649, -15.8035
Hunter-Lab	39.0751, -17.3783, 15.6998

Details

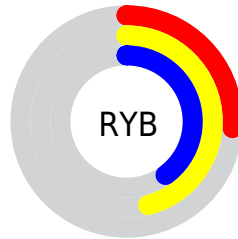
The CIELCh color $46, 32.999, 132.672$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $34, 34.178, 316.436$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 32.685, 132.615$, and $26, 32.830, 132.738$ is the 20% darker color. If you saturate the color by 10%, you get $45, 40.238, 132.180$, and if you desaturate by 10%, it is $47, 25.488, 133.182$.

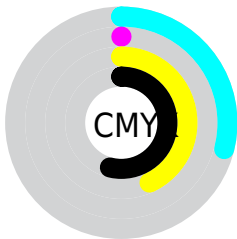
Distribution



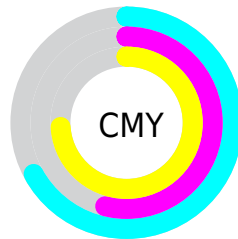
- Red (33%)
- Green (46%)
- Blue (26%)



- Red (26%)
- Yellow (46%)
- Blue (40%)



- Cyan (29%)
- Magenta (0%)
- Yellow (43%)
- Black (54%)





- Cyan (67%)
- Magenta (54%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 32.999, 132.672 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, 32.999, 132.672 by changing the saturation by 10% instead.


 46, 32.999,
132.672


 46, 32.999,
132.672


 100, 32.999,
132.672


 36, 32.999,
132.672

 66, 32.999,
132.672


 26, 32.999,
132.672

 76, 32.999,
132.672

 16, 32.999,
132.672

 86, 32.999,
132.672

 6, 32.999, 132.672

 96, 32.999,
132.672

 0, 32.999, 132.672

 46, 32.999,

 46, 32.999,

132.672

132.672

■ 45, 40.238,
132.180

■ 47, 25.488,
133.182

■ 45, 47.022,
131.754

■ 48, 17.832,
133.675

■ 44, 53.114,
131.476

■ 48, 10.126,
134.139

■ 44, 58.220,
131.451

■ 49, 2.439, 134.593

■ 44, 62.074,
131.778

■ 50, 5.180, 314.898

■ 43, 64.389,
131.952

■ 51, 12.696,
315.243

■ 53, 20.084,
315.539

■ 54, 27.328,
315.797

■ 55, 34.419,
316.020

Harmonies

Complementary

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



46, 32.999, 132.672



34, 34.178, 316.436

Rectangle

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



46, 32.999, 132.672



46, 32.999, 182.672



46, 32.999, 312.672



46, 32.999, 2.672

Sweetspot

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



46, 33.000, 132.673



62, 12.333, 134.133



44, 21.811, 85.739



31, 8.583, 134.052



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 33.000, 132.673



58, 48.623, 132.175



45, 32.561, 146.019



24, 4.288, 134.323



45, 66.111, 132.006



87, 113.083, 132.754

Inverse Universe

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



34, 34.178, 316.436



41, 50.740, 316.804



36, 32.579, 331.980



23, 4.325, 315.009



21, 69.844, 316.686



46, 118.822, 316.145

Previews

White Background



This preview shows how the CIE LCh color 46, 32.999, 132.672 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 CIELCh color 46, 32.999, 132.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

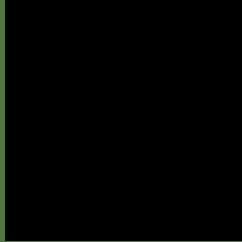
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 32.999, 132.672

Background



This preview shows how black text looks on a background with the CIELCh color 46, 32.999, 132.672.



This preview shows how white text looks on a background with the CIELCh color 46, 32.999, 132.672.

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

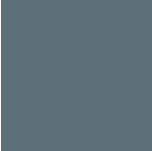
46, 32.999, 132.672

Protanopia

46, 26.649, 96.339

Deuteranopia

46, 23.980, 75.455



Tritanopia
46, 8.793, 236.424

Trichromacy



Original Color
46, 32.999, 132.672

Protanomaly
46, 27.357, 112.119

Deuteranomaly
46, 23.506, 101.220

Tritanomaly
46, 12.474, 159.783

Monochromacy



Original Color
46, 32.999, 132.672

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 12.621, 134.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 32.999, 132.672 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(84, 118, 67)` looks like.

```
.text, #text, p{  
    color:rgb(84, 118, 67)  
}
```

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(84, 118, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 118, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 32.999, 132.672 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(84, 118, 67) }
```

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

```
.border{ border-color:rgb(84, 118, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 118, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 118, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 118, 67);  
box-shadow:4px 4px 4px 4px rgb(84, 118,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 32.999, 132.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 118, 67) }
```

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

```
.background{ background-color: rgb(84, 118,  
67) }
```

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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