

Converting Colors

CIELCh(46, 25.548, 140.876)

Have a look what the booklet for
CIELCh(46, 25.548, 140.876)
contains.

CIELCh(46, 25.354, 140.382)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 25.354, 140.382)

Conversions

Conversions Part 1

Format	Color
Hex	547551
RGB	84, 117, 81
RGB Percent	33%, 46%, 32%
CMY	0.6697, 0.5403, 0.6815
CMYK	0.28, 0.00, 0.31, 0.54
HSL	115°, 18%, 39%
HSV	115°, 31%, 46%
XYZ	11.5575, 15.2687, 10.1651
YIQ	103.0290, -8.1120, -18.1920

Conversions

Conversions Part 2

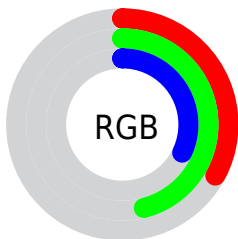
Format	Color
R_{YB}	81, 117, 114
Decimal	5535057
CIE _{Lab}	46.00, -19.53, 16.17
CIE _{LCh}	46, 25.354, 140.382
Yxy	15.2687, 0.3124, 0.4128
Android (android.graphics.Color)	4283725137 (0xFF547551)
YUV	103.0290, -10.8603, -16.6884
Hunter-Lab	39.0751, -15.5855, 11.9288

Details

The CIELCh color $46, 25.354, 140.382$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $39, 25.477, 323.611$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 25.075, 141.013$, and $26, 24.965, 140.569$ is the 20% darker color. If you saturate the color by 10%, you get $45, 33.451, 139.624$, and if you desaturate by 10%, it is $47, 17.100, 141.058$.

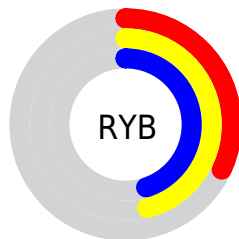
Distribution



Red (33%)

Green (46%)

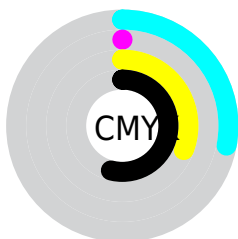
Blue (32%)



Red (32%)

Yellow (46%)

Blue (45%)

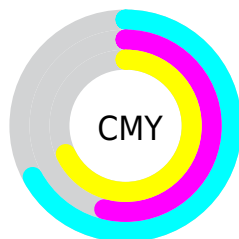


Cyan (28%)

Magenta (0%)

Yellow (31%)

Black (54%)



Cyan (67%)


Magenta (54%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 25.354, 140.382 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, 25.354, 140.382 by changing the saturation by 10% instead.


 46, 25.354,
140.382


 46, 25.354,
140.382


 100, 25.354,
140.382


 36, 25.354,
140.382

 66, 25.354,
140.382


 26, 25.354,
140.382

 76, 25.354,
140.382

 16, 25.354,
140.382

 86, 25.354,
140.382

 6, 25.354, 140.382

 96, 25.354,
140.382

 0, 25.354, 140.382

 46, 25.354,

 46, 25.354,

140.382

140.382

■ 45, 33.451,
139.624

■ 47, 17.100,
141.058

■ 44, 41.224,
138.794

■ 48, 8.812, 141.655

■ 44, 48.462,
137.926

■ 49, 0.584, 142.420

■ 51, 7.517, 322.557

■ 43, 54.904,
137.085

■ 52, 15.445,
322.941

■ 43, 60.242,
136.368

■ 53, 23.171,
323.262

■ 43, 64.167,
135.893

■ 55, 30.677,
323.535

■ 43, 66.914,
135.422

■ 57, 37.958,
323.768

■ 58, 45.012,

Harmonies

Complementary

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



46, 25.354, 140.382



39, 25.477, 323.611

Rectangle

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



46, 25.354, 140.382



46, 25.354, 190.382



46, 25.354, 320.382



46, 25.354, 10.382

Sweetspot

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



46, 25.355, 140.382



62, 9.191, 141.738



47, 18.986, 102.698



32, 6.353, 141.672



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, 25.355, 140.382



58, 37.870, 139.842



46, 19.421, 156.105



24, 4.623, 141.749



44, 69.040, 135.451



86, 117.508, 135.738

Inverse Universe

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



39, 25.477, 323.611



48, 38.060, 323.932



39, 19.828, 341.027



23, 4.637, 322.581



26, 67.463, 325.095



56, 114.420, 324.925

Previews

White Background



This preview shows how the CIELCh color 46, 25.354, 140.382 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, 25.354, 140.382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

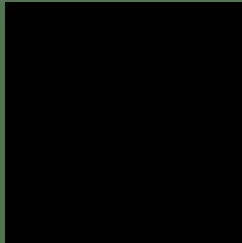
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 25.354, 140.382

Background



This preview shows how black text looks on a background with the CIELCh color 46, 25.354, 140.382.



This preview shows how white text looks on a background with the CIELCh color 46, 25.354, 140.382.

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, 25.354, 140.382

Protanopia

46, 19.165, 96.589

Deuteranopia

46, 15.904, 67.708



Tritanopia
46, 9.362, 233.734

Trichromacy



Original Color
46, 25.354, 140.382

Protanomaly
46, 19.577, 116.588

Deuteranomaly
46, 15.348, 104.688

Tritanomaly
46, 10.765, 175.403

Monochromacy



Original Color
46, 25.354, 140.382

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 9.273, 141.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 25.354, 140.382 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, 117, 81)` looks like.

```
.text, #text, p{  
    color:rgb(84, 117, 81)  
}
```

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, 117, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 117, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 25.354, 140.382 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, 117, 81) }
```

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

```
.border{ border-color:rgb(84, 117, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 117, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 117, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 117, 81);  
box-shadow:4px 4px 4px 4px rgb(84, 117,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 25.354, 140.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 117, 81) }
```

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

```
.background{ background-color: rgb(84, 117,  
81) }
```

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