

Converting Colors

CIELCh(52, 46.452, 137.702)

Have a look what the booklet for
CIELCh(52, 46.452, 137.702)
contains.

CIELCh(52, 46.452, 137.702)	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(52, 46.452, 137.702)

Conversions

Conversions Part 1

Format	Color
Hex	4D8A44
RGB	77, 138, 68
RGB Percent	30%, 54%, 27%
CMY	0.6984, 0.4591, 0.7336
CMYK	0.44, 0.00, 0.51, 0.46
HSL	112°, 34%, 40%
HSV	112°, 51%, 54%
XYZ	13.1718, 20.1443, 8.6509
YIQ	111.7810, -13.8860, -34.7020

Conversions

Conversions Part 2

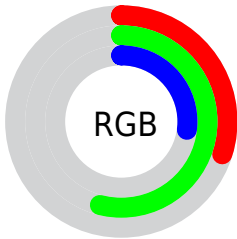
Format	Color
R_{YB}	68, 138, 129
Decimal	5081668
CIE _{Lab}	52.00, -34.36, 31.26
CIE _{LCh}	52, 46.452, 137.702
Yxy	20.1443, 0.3139, 0.4800
Android (android.graphics.Color)	4283271748 (0xFF4D8A44)
YUV	111.7810, -21.5840, -30.5029
Hunter-Lab	44.8824, -26.1593, 19.9899

Details

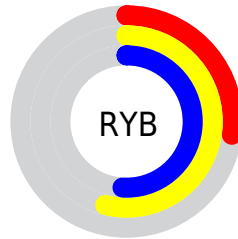
The CIELCh color **52, 46.452, 137.702** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **39, 46.877, 323.102**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 46.253, 137.696**, and **32, 46.186, 137.717** is the 20% darker color. If you saturate the color by 10%, you get **51, 54.606, 136.919**, and if you desaturate by 10%, it is **53, 37.697, 138.471**.

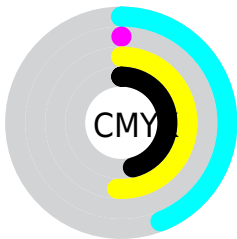
Distribution



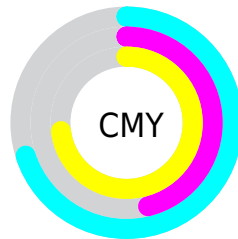
- Red (30%)
- Green (54%)
- Blue (27%)



- Red (27%)
- Yellow (54%)
- Blue (51%)



- Cyan (44%)
- Magenta (0%)
- Yellow (51%)
- Black (46%)





- Cyan (70%)
- Magenta (46%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 46.452, 137.702 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 52, 46.452, 137.702 by changing the saturation by 10% instead.


 52, 46.452,
137.702


 52, 46.452,
137.702


 100, 46.452,
137.702


 42, 46.452,
137.702


 72, 46.452,
137.702

 32, 46.452,
137.702

 82, 46.452,
137.702

 22, 46.452,
137.702

 92, 46.452,
137.702

 12, 46.452,
137.702

 2, 46.452, 137.702

 0, 46.452, 137.702

■ 52, 46.452,
137.702

■ 52, 46.452,
137.702

■ 51, 54.606,
136.919

■ 53, 37.697,
138.471

■ 51, 61.851,
136.193

■ 54, 28.579,
139.186

■ 50, 67.824,
135.631

■ 55, 19.284,
139.829

■ 50, 72.167,
135.352

■ 56, 9.951, 140.401

■ 50, 74.984,
135.183

■ 57, 0.683, 141.125

■ 59, 8.447, 321.272

■ 60, 17.390,
321.643

■ 62, 26.113,
321.954

■ 64, 34.597,
322.218

Harmonies

Complementary

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



52, 46.452, 137.702



39, 46.877, 323.102

Rectangle

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



52, 46.452, 137.702



52, 46.452, 187.702



52, 46.452, 317.702



52, 46.452, 7.702

Sweetspot

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



52, 46.453, 137.703



70, 17.179, 140.148



53, 34.317, 98.688



36, 11.683, 140.044



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



52, 46.453, 137.703



65, 67.437, 136.800



52, 36.901, 152.317



28, 5.212, 140.487



48, 72.849, 135.155



1, 2.412, 140.907

Inverse Universe

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



39, 46.877, 323.102



46, 67.875, 323.446



39, 37.610, 341.368



27, 5.232, 321.302



28, 71.778, 323.419



0, 2.412, 320.903

Previews

White Background



This preview shows how the CIELCh color 52, 46.452, 137.702 looks on a white 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

Black Background



This preview shows how the CIELCh color 52, 46.452, 137.702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

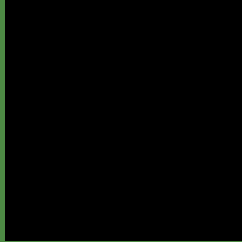
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 46.452, 137.702

Background



This preview shows how black text looks on a background with the CIELCh color 52, 46.452, 137.702.



This preview shows how white text looks on a background with the CIELCh color 52, 46.452, 137.702.

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
52, 46.452, 137.702

Protanopia
52, 34.846, 96.500

Deuteranopia
52, 30.169, 77.264



Tritanopia
52, 14.636, 221.729

Trichromacy



Original Color
52, 46.452, 137.702

Protanomaly
52, 36.330, 115.624

Deuteranomaly
51, 30.605, 107.904

Tritanomaly
52, 21.128, 165.761

Monochromacy



Original Color
52, 46.452, 137.702

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 17.294, 140.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 46.452, 137.702 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(77, 138, 68)` looks like.

```
.text, #text, p{  
    color:rgb(77, 138, 68)  
}
```

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(77, 138, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 138, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 46.452, 137.702 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(77, 138, 68) }
```

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

```
.border{ border-color:rgb(77, 138, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 138, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 138, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 138, 68);  
box-shadow:4px 4px 4px 4px rgb(77, 138,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 46.452, 137.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 138, 68) }
```

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

```
.background{ background-color: rgb(77, 138,  
68) }
```

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