

Converting Colors

CIELCh(52, 49.875, 136.917)

Have a look what the booklet for
CIELCh(52, 49.875, 136.917)
contains.

CIELCh(52, 50.255, 136.709)	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, 50.255, 136.709)

Conversions

Conversions Part 1

Format	Color
Hex	4A8B3E
RGB	74, 139, 62
RGB Percent	29%, 55%, 24%
CMY	0.7113, 0.4563, 0.7582
CMYK	0.47, 0.00, 0.56, 0.46
HSL	111°, 38%, 39%
HSV	111°, 56%, 54%
XYZ	12.8355, 20.1443, 7.7209
YIQ	110.7870, -14.0230, -37.7270

Conversions

Conversions Part 2

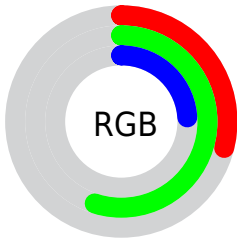
Format	Color
RYB	62, 139, 127
Decimal	4885310
CIELab	52.00, -36.58, 34.46
CIELCh	52, 50.255, 136.709
Yxy	20.1443, 0.3154, 0.4949
Android (android.graphics.Color)	4283075390 (0xFF4A8B3E)
YUV	110.7870, -24.0520, -32.2622
Hunter-Lab	44.8824, -27.4969, 21.2184

Details

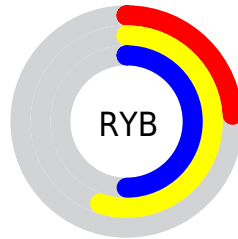
The CIELCh color $52, 50.255, 136.709$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $37, 50.884, 322.424$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $72, 50.091, 136.852$, and $32, 50.099, 136.661$ is the 20% darker color. If you saturate the color by 10%, you get $51, 58.028, 136.004$, and if you desaturate by 10%, it is $53, 41.764, 137.443$.

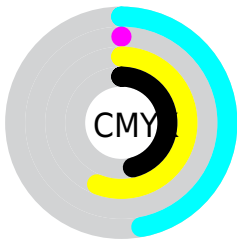
Distribution



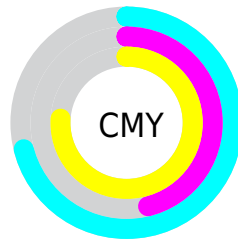
- Red (29%)
- Green (55%)
- Blue (24%)



- Red (24%)
- Yellow (55%)
- Blue (50%)



- Cyan (47%)
- Magenta (0%)
- Yellow (56%)
- Black (46%)





- Cyan (71%)
- Magenta (46%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 50.255, 136.709 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, 50.255, 136.709 by changing the saturation by 10% instead.


 52, 50.255,
136.709


 52, 50.255,
136.709


 100, 50.255,
136.709


 42, 50.255,
136.709


 72, 50.255,
136.709

 32, 50.255,
136.709

 82, 50.255,
136.709

 22, 50.255,
136.709

 92, 50.255,
136.709

 12, 50.255,
136.709

 2, 50.255, 136.709

 0, 50.255, 136.709

■ 52, 50.255,
136.709

■ 52, 50.255,
136.709

■ 51, 58.028,
136.004

■ 53, 41.764,
137.443

■ 51, 64.746,
135.415

■ 54, 32.820,
138.149

■ 50, 70.037,
135.060

■ 55, 23.627,
138.798

■ 50, 73.652,
135.012

■ 56, 14.339,
139.381

■ 50, 75.016,
134.933

■ 57, 5.070, 139.909

■ 58, 4.097, 320.274

■ 60, 13.104,
320.680

■ 61, 21.912,
321.010

■ 63, 30.498,
321.289

Harmonies

Complementary

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



52, 50.255, 136.709



37, 50.884, 322.424

Rectangle

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



52, 50.255, 136.709



52, 50.255, 186.709



52, 50.255, 316.709



52, 50.255, 6.709

Sweetspot

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



52, 50.256, 136.710



71, 19.543, 139.278



53, 36.468, 96.135



37, 13.181, 139.179



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 50.256, 136.710



66, 73.170, 135.813



52, 41.331, 150.329



28, 5.168, 139.720



48, 72.599, 134.897



1, 2.392, 140.127

Inverse Universe

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



37, 50.884, 322.424



45, 73.834, 322.720



38, 41.760, 340.181



27, 5.191, 320.512



27, 71.997, 322.451



0, 2.392, 320.123

Previews

White Background



This preview shows how the CIELCh color 52, 50.255, 136.709 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 CIE LCh color 52, 50.255, 136.709 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, 50.255, 136.709

Background



This preview shows how black text looks on a background with the CIELCh color 52, 50.255, 136.709.



This preview shows how white text looks on a background with the CIELCh color 52, 50.255, 136.709.

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, 50.255, 136.709

Protanopia

52, 37.981, 96.078

Deuteranopia

52, 33.405, 78.722



Tritanopia
52, 15.356, 222.919

Trichromacy



Original Color
52, 50.255, 136.709

Protanomaly
51, 39.416, 115.185

Deuteranomaly
51, 34.299, 108.042

Tritanomaly
52, 22.687, 164.566

Monochromacy



Original Color
52, 50.255, 136.709

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 19.049, 138.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 50.255, 136.709 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(74, 139, 62)` looks like.

```
.text, #text, p{  
    color:rgb(74, 139, 62)  
}
```

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(74, 139, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 139, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 50.255, 136.709 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(74, 139, 62) }
```

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

```
.border{ border-color:rgb(74, 139, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 139, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 139, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 139, 62);  
box-shadow:4px 4px 4px 4px rgb(74, 139,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 50.255, 136.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 139, 62) }
```

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

```
.background{ background-color: rgb(74, 139,  
62) }
```

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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