

Converting Colors

CIELCh(52, 33.143, 140.477)

Have a look what the booklet for
CIELCh(52, 33.143, 140.477)
contains.

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Color

CIELCh(52, 33.102, 140.496)

Conversions

Conversions Part 1

Format	Color
Hex	5A8757
RGB	90, 135, 87
RGB Percent	35%, 53%, 34%
CMY	0.6476, 0.4711, 0.6593
CMYK	0.33, 0.00, 0.36, 0.47
HSL	116°, 22%, 43%
HSV	116°, 36%, 53%
XYZ	14.5648, 20.1443, 12.1110
YIQ	116.0730, -11.4120, -24.4680

Conversions

Conversions Part 2

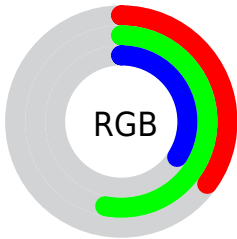
Format	Color
RYB	87, 135, 132
Decimal	5932887
CIELab	52.00, -25.54, 21.06
CIELCh	52, 33.102, 140.496
Yxy	20.1443, 0.3111, 0.4302
Android (android.graphics.Color)	4284122967 (0xFF5A8757)
YUV	116.0730, -14.3330, -22.8660
Hunter-Lab	44.8824, -20.6192, 15.4190

Details

The CIELCh color $52, 33.102, 140.496$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $43, 33.216, 324.473$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 33.425, 140.202$, and $32, 33.102, 140.638$ is the 20% darker color. If you saturate the color by 10%, you get $51, 42.059, 139.651$, and if you desaturate by 10%, it is $53, 23.860, 141.254$.

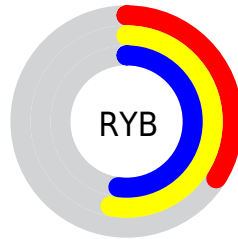
Distribution



Red (35%)

Green (53%)

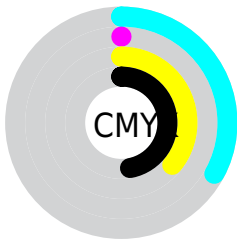
Blue (34%)



Red (34%)

Yellow (53%)

Blue (52%)

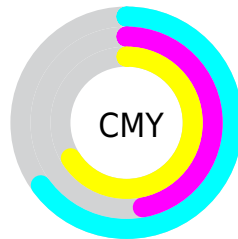


Cyan (33%)

Magenta (0%)

Yellow (36%)

Black (47%)



Cyan (65%)


Magenta (47%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 33.102, 140.496 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, 33.102, 140.496 by changing the saturation by 10% instead.


 52, 33.102,
140.496


 52, 33.102,
140.496


 100, 33.102,
140.496


 42, 33.102,
140.496

 72, 33.102,
140.496

 32, 33.102,
140.496

 82, 33.102,
140.496

 22, 33.102,
140.496

 92, 33.102,
140.496

 12, 33.102,
140.496

 2, 33.102, 140.496

 0, 33.102, 140.496

■ 52, 33.102,
140.496

■ 52, 33.102,
140.496

■ 51, 42.059,
139.651

■ 53, 23.860,
141.254

■ 50, 50.504,
138.738

■ 54, 14.503,
141.919

■ 50, 58.157,
137.809

■ 55, 5.164, 142.512

■ 49, 64.679,
136.952

■ 57, 4.062, 322.921

■ 49, 69.705,
136.285

■ 58, 13.108,
323.368

■ 49, 73.020,
135.884

■ 60, 21.930,
323.729

■ 49, 74.233,
135.639

■ 62, 30.503,
324.033

■ 64, 38.814,
324.292

■ 65, 46.859,
324.512

Harmonies

Complementary

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



52, 33.102, 140.496



43, 33.216, 324.473

Rectangle

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



52, 33.102, 140.496



52, 33.102, 190.496



52, 33.102, 320.496



52, 33.102, 10.496

Sweetspot

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



52, 33.103, 140.496



70, 12.692, 142.182



54, 25.398, 103.826



37, 8.601, 142.114



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, 33.103, 140.496



66, 49.385, 139.793



52, 24.493, 157.081



27, 5.158, 142.307



47, 72.288, 135.622



1, 1.231, 142.761

Inverse Universe

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



43, 33.216, 324.473



53, 49.515, 324.842



43, 25.207, 343.247



26, 5.171, 323.184



29, 70.362, 325.861



0, 1.231, 322.757

Previews

White Background



This preview shows how the CIELCh color 52, 33.102, 140.496 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, 33.102, 140.496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

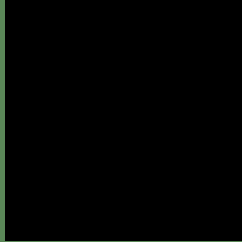
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 33.102, 140.496

Background



This preview shows how black text looks on a background with the CIELCh color 52, 33.102, 140.496.



This preview shows how white text looks on a background with the CIELCh color 52, 33.102, 140.496.

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, 33.102, 140.496

Protanopia

52, 24.058, 95.241

Deuteranopia

52, 20.234, 69.917



Tritanopia
52, 12.029, 230.821

Trichromacy



Original Color
52, 33.102, 140.496

Protanomaly
51, 24.857, 116.162

Deuteranomaly
51, 19.564, 105.073

Tritanomaly
52, 14.340, 173.945

Monochromacy



Original Color
52, 33.102, 140.496

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 12.651, 142.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 33.102, 140.496 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(90, 135, 87)` looks like.

```
.text, #text, p{  
    color:rgb(90, 135, 87)  
}
```

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(90, 135, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 135, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 33.102, 140.496 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(90, 135, 87) }
```

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

```
.border{ border-color:rgb(90, 135, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 135, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 135, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 135, 87);  
box-shadow:4px 4px 4px 4px rgb(90, 135,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 33.102, 140.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 135, 87) }
```

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

```
.background{ background-color: rgb(90, 135,  
87) }
```

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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