

Converting Colors

CIELCh(52, 63.886, 138.458)

Have a look what the booklet for
CIELCh(52, 63.886, 138.458)
contains.

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Color

CIELCh(52, 63.922, 138.434)

Conversions

Conversions Part 1

Format	Color
Hex	2C8E2C
RGB	44, 142, 44
RGB Percent	17%, 56%, 17%
CMY	0.8262, 0.4422, 0.8265
CMYK	0.69, 0.00, 0.69, 0.44
HSL	120°, 53%, 37%
HSV	120°, 69%, 56%
XYZ	11.2202, 20.1443, 5.7030
YIQ	101.5260, -26.9500, -51.2540

Conversions

Conversions Part 2

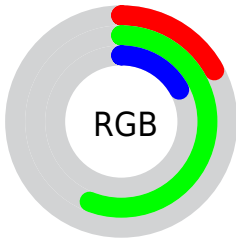
Format	Color
R_{YB}	44, 142, 142
Decimal	2919980
CIE _{Lab}	52.00, -47.83, 42.41
CIE _{LCh}	52, 63.922, 138.434
Yxy	20.1443, 0.3027, 0.5434
Android (android.graphics.Color)	4281110060 (0xFF2C8E2C)
YUV	101.5260, -28.3603, -50.4503
Hunter-Lab	44.8824, -33.9208, 23.8840

Details

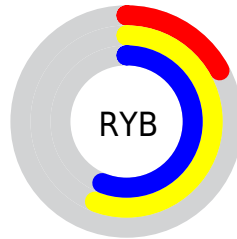
The CIELCh color **52, 63.922, 138.434** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **37, 62.946, 327.655**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 64.062, 138.608**, and **33, 56.009, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **52, 70.079, 137.417**, and if you desaturate by 10%, it is **53, 56.354, 139.536**.

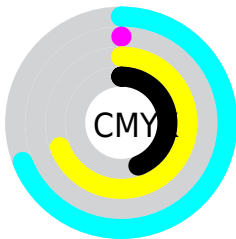
Distribution



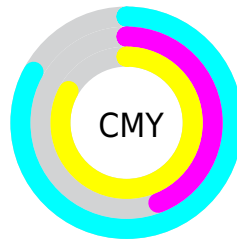
- Red (17%)
- Green (56%)
- Blue (17%)



- Red (17%)
- Yellow (56%)
- Blue (17%)



- Cyan (69%)
- Magenta (0%)
- Yellow (69%)
- Black (44%)





- Cyan (83%)
- Magenta (44%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 63.922, 138.434 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, 63.922, 138.434 by changing the saturation by 10% instead.


 52, 63.922,
138.434


 52, 63.922,
138.434


 100, 63.922,
138.434


 42, 63.922,
138.434


 72, 63.922,
138.434

 32, 63.922,
138.434

 82, 63.922,
138.434

 22, 63.922,
138.434

 92, 63.922,
138.434

 12, 63.922,
138.434

 2, 63.922, 138.434

 0, 63.922, 138.434

■ 52, 63.922,
138.434

■ 52, 63.922,
138.434

■ 52, 70.079,
137.417

■ 53, 56.354,
139.536

■ 51, 74.465,
136.618

■ 53, 47.751,
140.615

■ 51, 77.259,
136.072

■ 54, 38.444,
141.611

■ 51, 77.557,
136.012

■ 55, 28.709,
142.498

■ 56, 18.769,
143.270

■ 58, 8.795, 143.941

■ 59, 1.086, 324.295

■ 61, 10.784,
324.938

■ 63, 20.241,
325.351

Harmonies

Complementary

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



52, 63.922, 138.434



37, 62.946, 327.655

Rectangle

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



52, 63.922, 138.434



52, 63.922, 188.434



52, 63.922, 318.434



52, 63.922, 8.434

Sweetspot

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



52, 63.922, 138.435



72, 25.987, 143.083



57, 50.652, 103.306



38, 17.732, 142.897



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



52, 63.922, 138.435



66, 88.867, 136.911



53, 44.679, 154.896



29, 5.598, 143.924



49, 74.727, 136.012



2, 3.766, 144.424

Inverse Universe

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



37, 62.946, 327.655



46, 86.482, 328.029



35, 46.579, 350.897



28, 5.607, 324.888



32, 72.106, 328.205



1, 3.767, 324.420

Previews

White Background



This preview shows how the CIELCh color 52, 63.922, 138.434 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, 63.922, 138.434 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, 63.922, 138.434

Background



This preview shows how black text looks on a background with the CIELCh color 52, 63.922, 138.434.



This preview shows how white text looks on a background with the CIELCh color 52, 63.922, 138.434.

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, 63.922, 138.434

Protanopia

52, 46.047, 95.294

Deuteranopia

52, 40.461, 80.176



Tritanopia
52, 20.729, 215.703

Trichromacy



Original Color
52, 63.922, 138.434



Protanomaly
51, 49.125, 118.122



Deuteranomaly
50, 42.219, 112.941



Tritanomaly
51, 31.440, 165.145

Monochromacy



Original Color
52, 63.922, 138.434



Achromatopsia
43, 0.006, 296.813



Achromatomaly
46, 26.040, 142.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 63.922, 138.434 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(44, 142, 44)` looks like.

```
.text, #text, p{  
    color:rgb(44, 142, 44)  
}
```

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(44, 142, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 142, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 63.922, 138.434 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(44, 142, 44) }
```

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

```
.border{ border-color:rgb(44, 142, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 142, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 142, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 142, 44);  
box-shadow:4px 4px 4px 4px rgb(44, 142,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 63.922, 138.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 142, 44) }
```

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

```
.background{ background-color: rgb(44, 142,  
44) }
```

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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