

Converting Colors

CIELCh(52, 64.781, 138.065)

Have a look what the booklet for
CIELCh(52, 64.781, 138.065)
contains.

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Color

CIELCh(52, 64.623, 137.999)

Conversions

Conversions Part 1

Format	Color
Hex	2C8E2A
RGB	44, 142, 42
RGB Percent	17%, 56%, 16%
CMY	0.8260, 0.4420, 0.8342
CMYK	0.69, 0.00, 0.70, 0.44
HSL	119°, 54%, 36%
HSV	119°, 70%, 56%
XYZ	11.1931, 20.1443, 5.5151
YIQ	101.2980, -26.3080, -51.8760

Conversions

Conversions Part 2

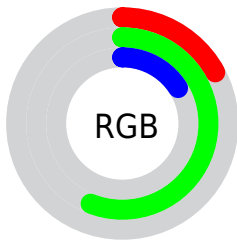
Format	Color
R_{YB}	42, 142, 140
Decimal	2919978
CIE _{Lab}	52.00, -48.02, 43.24
CIE _{LCh}	52, 64.623, 137.999
Yxy	20.1443, 0.3037, 0.5466
Android (android.graphics.Color)	4281110058 (0xFF2C8E2A)
YUV	101.2980, -29.2339, -50.2503
Hunter-Lab	44.8824, -34.0285, 24.1322

Details

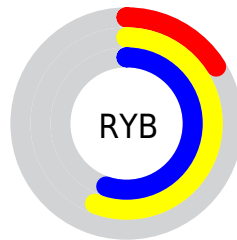
The CIELCh color **52, 64.623, 137.999** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **36, 63.720, 327.051**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 64.698, 137.928**, and **33, 56.009, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **52, 70.604, 137.076**, and if you desaturate by 10%, it is **53, 57.205, 139.034**.

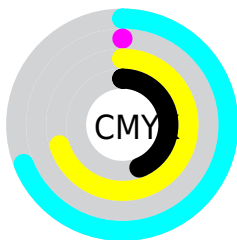
Distribution



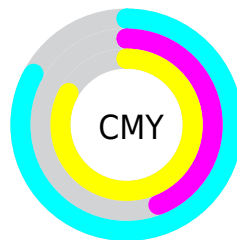
- Red (17%)
- Green (56%)
- Blue (16%)



- Red (16%)
- Yellow (56%)
- Blue (55%)



- Cyan (69%)
- Magenta (0%)
- Yellow (70%)
- Black (44%)




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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 64.623, 137.999 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, 64.623, 137.999 by changing the saturation by 10% instead.


 52, 64.623,
137.999


 52, 64.623,
137.999


 100, 64.623,
137.999


 42, 64.623,
137.999


 72, 64.623,
137.999

 32, 64.623,
137.999

 82, 64.623,
137.999

 22, 64.623,
137.999

 92, 64.623,
137.999

 12, 64.623,
137.999

 2, 64.623, 137.999

 0, 64.623, 137.999

■ 52, 64.623,
137.999

■ 52, 64.623,
137.999

■ 52, 70.604,
137.076

■ 53, 57.205,
139.034

■ 51, 74.794,
136.394

■ 53, 48.728,
140.069

■ 51, 77.453,
135.898

■ 54, 39.530,
141.038

■ 55, 29.888,
141.908

■ 56, 20.023,
142.671

■ 58, 10.108,
143.334

■ 59, 0.271, 144.601

■ 61, 9.399, 324.327

■ 62, 18.839,
324.741

Harmonies

Complementary

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



52, 64.623, 137.999



36, 63.720, 327.051

Rectangle

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



52, 64.623, 137.999



52, 64.623, 187.999



52, 64.623, 317.999



52, 64.623, 7.999

Sweetspot

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



52, 64.623, 138.000



72, 25.816, 142.587



56, 50.778, 102.351



38, 17.616, 142.406



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, 64.623, 138.000



66, 89.167, 136.661



53, 46.102, 153.846



29, 5.562, 143.403



49, 74.602, 135.890



2, 3.742, 143.890

Inverse Universe

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



36, 63.720, 327.051



45, 86.909, 327.343



35, 47.617, 350.050



28, 5.572, 324.341



31, 72.168, 327.432



1, 3.742, 323.885

Previews

White Background



This preview shows how the CIELCh color 52, 64.623, 137.999 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, 64.623, 137.999 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, 64.623, 137.999

Background



This preview shows how black text looks on a background with the CIELCh color 52, 64.623, 137.999.



This preview shows how white text looks on a background with the CIELCh color 52, 64.623, 137.999.

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, 64.623, 137.999

Protanopia

51, 46.875, 95.333

Deuteranopia

52, 41.393, 80.587



Tritanopia
52, 20.729, 215.703

Trichromacy



Original Color
52, 64.623, 137.999

Protanomaly
51, 49.930, 117.817

Deuteranomaly
50, 43.147, 112.664

Tritanomaly
51, 31.813, 164.308

Monochromacy



Original Color
52, 64.623, 137.999

Achromatopsia
43, 0.006, 296.813

Achromatomaly
46, 26.526, 141.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 64.623, 137.999 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(44, 142, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 142, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 64.623, 137.999 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, 42) }
```

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

```
.border{ border-color:rgb(44, 142, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 142, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 142, 42);  
box-shadow:4px 4px 4px 4px rgb(44, 142,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 64.623, 137.999 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, 42) }
```

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

```
.background{ background-color: rgb(44, 142,  
42) }
```

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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