

Converting Colors

CIELCh(52, 65.030, 138.008)

Have a look what the booklet for
CIELCh(52, 65.030, 138.008)
contains.

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Color

CIELCh(52, 64.752, 138.142)

Conversions

Conversions Part 1

Format	Color
Hex	2B8E2A
RGB	43, 142, 42
RGB Percent	17%, 56%, 16%
CMY	0.8296, 0.4417, 0.8339
CMYK	0.69, 0.00, 0.70, 0.44
HSL	119°, 54%, 36%
HSV	119°, 70%, 56%
XYZ	11.1652, 20.1443, 5.5227
YIQ	100.9990, -26.9040, -52.0880

Conversions

Conversions Part 2

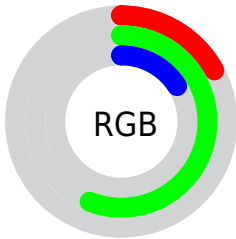
Format	Color
R_{YB}	42, 142, 141
Decimal	2854442
CIE _{Lab}	52.00, -48.23, 43.21
CIE _{LCh}	52, 64.752, 138.142
Y _{xy}	20.1443, 0.3031, 0.5469
Android (android.graphics.Color)	4281044522 (0xFF2B8E2A)
YUV	100.9990, -29.0865, -50.8651
Hunter-Lab	44.8824, -34.1395, 24.1222

Details

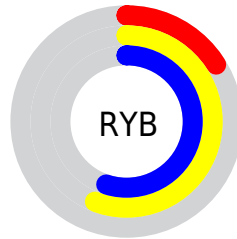
The CIELCh color **52, 64.752, 138.142** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **37, 63.775, 327.362**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 64.875, 138.137**, and **33, 56.009, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **52, 70.718, 137.184**, and if you desaturate by 10%, it is **53, 57.337, 139.207**.

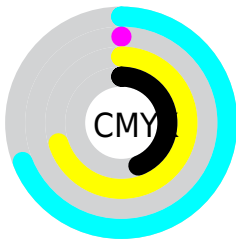
Distribution



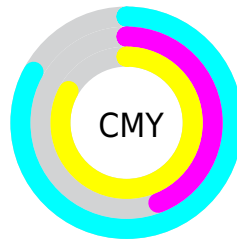
- Red (17%)
- Green (56%)
- Blue (16%)



- 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, 64.752, 138.142 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, 64.752, 138.142 by changing the saturation by 10% instead.


 52, 64.752,
138.142


 52, 64.752,
138.142


 100, 64.752,
138.142


 42, 64.752,
138.142


 72, 64.752,
138.142

 32, 64.752,
138.142

 82, 64.752,
138.142

 22, 64.752,
138.142

 92, 64.752,
138.142

 12, 64.752,
138.142

 2, 64.752, 138.142

 0, 64.752, 138.142

■ 52, 64.752,
138.142

■ 52, 64.752,
138.142

■ 52, 70.718,
137.184

■ 53, 57.337,
139.207

■ 51, 74.881,
136.464

■ 53, 48.851,
140.267

■ 51, 77.538,
135.953

■ 54, 39.632,
141.256

■ 55, 29.961,
142.141

■ 56, 20.063,
142.915

■ 58, 10.113,
143.588

■ 59, 0.241, 144.960

■ 61, 9.461, 324.594

■ 62, 18.931,
325.012

Harmonies

Complementary

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



52, 64.752, 138.142



37, 63.775, 327.362

Rectangle

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



52, 64.752, 138.142



52, 64.752, 188.142



52, 64.752, 318.142



52, 64.752, 8.142

Sweetspot

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



52, 64.752, 138.143



72, 25.899, 142.828



57, 51.442, 103.212



38, 17.672, 142.645



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, 64.752, 138.143



66, 89.272, 136.746



53, 45.406, 154.666



29, 5.579, 143.655



49, 74.662, 135.949



2, 3.753, 144.149

Inverse Universe

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



37, 63.775, 327.362



45, 86.913, 327.682



35, 47.255, 351.167



28, 5.589, 324.606



31, 72.135, 327.805



1, 3.754, 324.144

Previews

White Background



This preview shows how the CIELCh color 52, 64.752, 138.142 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, 64.752, 138.142 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, 64.752, 138.142

Background



This preview shows how black text looks on a background with the CIELCh color 52, 64.752, 138.142.



This preview shows how white text looks on a background with the CIELCh color 52, 64.752, 138.142.

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, 64.752, 138.142

Protanopia

51, 46.875, 95.333

Deuteranopia

52, 41.393, 80.587



Tritanopia
52, 20.729, 215.703

Trichromacy



Original Color
52, 64.752, 138.142



Protanomaly
51, 49.930, 117.817



Deuteranomaly
50, 43.147, 112.664



Tritanomaly
51, 31.813, 164.308

Monochromacy



Original Color
52, 64.752, 138.142



Achromatopsia
43, 0.006, 296.813



Achromatomaly
45, 26.078, 142.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 64.752, 138.142 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(43, 142, 42)` looks like.

```
.text, #text, p{  
    color:rgb(43, 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(43, 142, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 142, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 64.752, 138.142 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(43, 142, 42) }
```

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

```
.border{ border-color:rgb(43, 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(43, 142, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 142, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 142, 42);  
box-shadow:4px 4px 4px 4px rgb(43, 142,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 64.752, 138.142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 142, 42) }
```

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

```
.background{ background-color: rgb(43, 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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