

Converting Colors

CIELCh(50, 55.378, 142.815)

Have a look what the booklet for
CIELCh(50, 55.378, 142.815)
contains.

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Color

CIELCh(50, 55.511, 142.648)

Conversions

Conversions Part 1

Format	Color
Hex	2B883A
RGB	43, 136, 58
RGB Percent	17%, 53%, 23%
CMY	0.8315, 0.4668, 0.7726
CMYK	0.68, 0.00, 0.57, 0.47
HSL	130°, 52%, 35%
HSV	130°, 68%, 53%
XYZ	10.5583, 18.4187, 6.9983
YIQ	99.3010, -30.3900, -43.9740

Conversions

Conversions Part 2

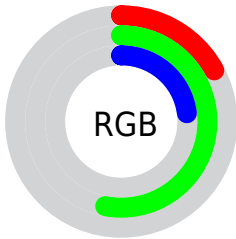
Format	Color
R_{YB}	43, 123, 136
Decimal	2852922
CIE _{Lab}	50.00, -44.13, 33.68
CIE _{LCh}	50, 55.511, 142.648
Yxy	18.4187, 0.2935, 0.5120
Android (android.graphics.Color)	4281043002 (0xFF2B883A)
YUV	99.3010, -20.3614, -49.3760
Hunter-Lab	42.9170, -31.1908, 20.3736

Details

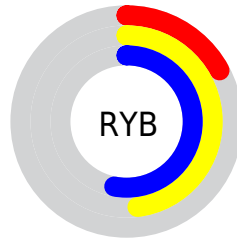
The CIELCh color **50, 55.511, 142.648** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **35, 54.219, 333.439**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 55.501, 142.500**, and **31, 51.541, 137.826** is the 20% darker color. If you saturate the color by 10%, you get **50, 61.642, 141.197**, and if you desaturate by 10%, it is **51, 48.518, 143.998**.

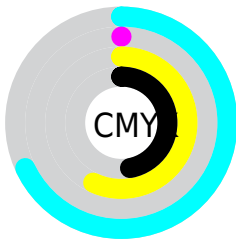
Distribution



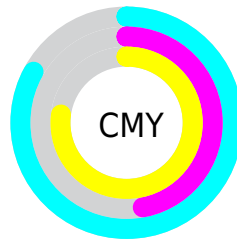
- Red (17%)
- Green (53%)
- Blue (23%)



- Red (17%)
- Yellow (48%)
- Blue (53%)



- Cyan (68%)
- Magenta (0%)
- Yellow (57%)
- Black (47%)





- Cyan (83%)
- Magenta (47%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 55.511, 142.648 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 50, 55.511, 142.648 by changing the saturation by 10% instead.


 50, 55.511,
142.648


 50, 55.511,
142.648


 100, 55.511,
142.648


 40, 55.511,
142.648


 70, 55.511,
142.648


 30, 55.511,
142.648

 80, 55.511,
142.648

 20, 55.511,
142.648

 90, 55.511,
142.648

 10, 55.511,
142.648

 0, 55.511, 142.648

 50, 55.511,
142.648

 50, 55.511,
142.648

■ 50, 61.642,
141.197

■ 51, 48.518,
143.998

■ 49, 66.720,
139.709

■ 51, 40.858,
145.213

■ 49, 70.665,
138.365

■ 52, 32.727,
146.284

■ 49, 71.212,
138.199

■ 53, 24.301,
147.217

■ 54, 15.732,
148.027

■ 56, 7.147, 148.738

■ 57, 1.359, 329.140

■ 58, 9.713, 329.802

■ 60, 17.868,
330.264

Harmonies

Complementary

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



50, 55.511, 142.648



35, 54.219, 333.439

Rectangle

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



50, 55.511, 142.648



50, 55.511, 192.648



50, 55.511, 322.648



50, 55.511, 12.648

Sweetspot

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



50, 55.511, 142.648



68, 22.177, 147.791



54, 49.677, 111.589



36, 15.132, 147.601



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 55.511, 142.648



63, 77.939, 140.395



51, 36.595, 164.664



28, 4.854, 148.685



48, 69.863, 138.237



1, 2.245, 149.218

Inverse Universe

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



35, 54.219, 333.439



42, 73.557, 334.477



33, 42.354, 2.835



27, 4.866, 329.719



30, 62.907, 335.651



0, 2.245, 329.213

Previews

White Background



This preview shows how the CIELCh color 50, 55.511, 142.648 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 50, 55.511, 142.648 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 50, 55.511, 142.648

Background



This preview shows how black text looks on a background with the CIELCh color 50, 55.511, 142.648.



This preview shows how white text looks on a background with the CIELCh color 50, 55.511, 142.648.

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

50, 55.511, 142.648

Protanopia

50, 37.660, 95.760

Deuteranopia

50, 32.416, 78.518



Tritanopia
50, 20.381, 214.377

Trichromacy



Original Color
50, 55.511, 142.648

Protanomaly
49, 41.230, 121.530

Deuteranomaly
49, 33.943, 115.757

Tritanomaly
50, 28.894, 169.945

Monochromacy



Original Color
50, 55.511, 142.648

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 21.655, 146.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 55.511, 142.648 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, 136, 58)` looks like.

```
.text, #text, p{  
    color:rgb(43, 136, 58)  
}
```

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, 136, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 136, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 55.511, 142.648 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, 136, 58) }
```

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

```
.border{ border-color:rgb(43, 136, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 136, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 136, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 136, 58);  
box-shadow:4px 4px 4px 4px rgb(43, 136,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 55.511, 142.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 136, 58) }
```

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

```
.background{ background-color: rgb(43, 136,  
58) }
```

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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