

Converting Colors

CIELCh(52, 55.688, 141.927)

Have a look what the booklet for
CIELCh(52, 55.688, 141.927)
contains.

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Color

CIELCh(52, 55.427, 142.120)

Conversions

Conversions Part 1

Format	Color
Hex	338D3E
RGB	51, 141, 62
RGB Percent	20%, 55%, 24%
CMY	0.7994, 0.4465, 0.7564
CMYK	0.64, 0.00, 0.56, 0.45
HSL	127°, 47%, 38%
HSV	127°, 64%, 55%
XYZ	11.7892, 20.1443, 7.8411
YIQ	105.0840, -28.2810, -43.6490

Conversions

Conversions Part 2

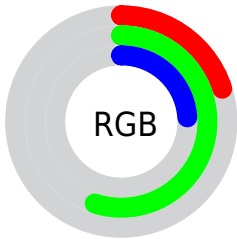
Format	Color
RYB	51, 131, 141
Decimal	3378494
CIELab	52.00, -43.75, 34.03
CIElCh	52, 55.427, 142.120
Yxy	20.1443, 0.2964, 0.5065
Android (android.graphics.Color)	4281568574 (0xFF338D3E)
YUV	105.0840, -21.2404, -47.4317
Hunter-Lab	44.8824, -31.6581, 21.0596

Details

The CIELCh color **52, 55.427, 142.120** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **37, 54.475, 331.626**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 55.510, 142.107**, and **33, 52.581, 138.641** is the 20% darker color. If you saturate the color by 10%, you get **52, 62.257, 140.768**, and if you desaturate by 10%, it is **53, 47.721, 143.378**.

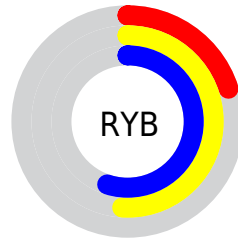
Distribution



Red (20%)

Green (55%)

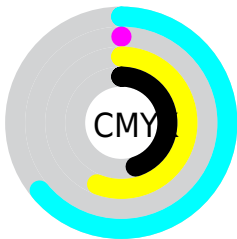
Blue (24%)



Red (20%)

Yellow (51%)

Blue (55%)

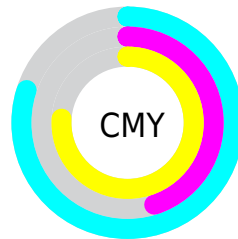


Cyan (64%)

Magenta (0%)

Yellow (56%)

Black (45%)



Cyan (80%)


Magenta (45%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 55.427, 142.120 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, 55.427, 142.120 by changing the saturation by 10% instead.


 52, 55.427,
142.120


 52, 55.427,
142.120


 100, 55.427,
142.120


 42, 55.427,
142.120


 72, 55.427,
142.120

 32, 55.427,
142.120

 82, 55.427,
142.120

 22, 55.427,
142.120

 92, 55.427,
142.120

 12, 55.427,
142.120

 2, 55.427, 142.120

 0, 55.427, 142.120

■ 52, 55.427,
142.120

■ 52, 55.427,
142.120

■ 52, 62.257,
140.768

■ 53, 47.721,
143.378

■ 51, 67.971,
139.386

■ 53, 39.370,
144.508

■ 51, 72.349,
138.081

■ 54, 30.589,
145.501

■ 51, 74.450,
137.471

■ 55, 21.565,
146.364

■ 57, 12.453,
147.113

■ 58, 3.377, 147.797

■ 60, 5.573, 328.239

■ 61, 14.332,
328.736

■ 63, 22.858,
329.150

Harmonies

Complementary

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



52, 55.427, 142.120



37, 54.475, 331.626

Rectangle

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



52, 55.427, 142.120



52, 55.427, 192.120



52, 55.427, 322.120



52, 55.427, 12.120

Sweetspot

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



52, 55.427, 142.120



71, 21.360, 146.703



56, 48.189, 110.182



37, 14.656, 146.509



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 55.427, 142.120



66, 79.127, 140.091



53, 36.849, 163.206



30, 5.146, 147.425



49, 72.051, 137.525



2, 3.462, 147.950

Inverse Universe

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



37, 54.475, 331.626



45, 75.835, 332.449



35, 41.465, 359.207



28, 5.157, 328.441



31, 65.690, 333.609



1, 3.463, 327.944

Previews

White Background



This preview shows how the CIELCh color 52, 55.427, 142.120 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 CIE LCh color 52, 55.427, 142.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

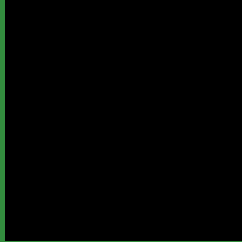
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 55.427, 142.120

Background



This preview shows how black text looks on a background with the CIELCh color 52, 55.427, 142.120.



This preview shows how white text looks on a background with the CIELCh color 52, 55.427, 142.120.

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, 55.427, 142.120

Protanopia

52, 38.101, 95.335

Deuteranopia

51, 31.964, 77.640



Tritanopia
52, 20.185, 214.480

Trichromacy



Original Color
52, 55.427, 142.120

Protanomaly
51, 41.297, 120.236

Deuteranomaly
51, 34.214, 114.920

Tritanomaly
52, 28.401, 169.788

Monochromacy



Original Color
52, 55.427, 142.120

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 21.929, 146.036

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 55.427, 142.120 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(51, 141, 62)` looks like.

```
.text, #text, p{  
    color:rgb(51, 141, 62)  
}
```

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(51, 141, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 141, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 55.427, 142.120 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(51, 141, 62) }
```

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

```
.border{ border-color:rgb(51, 141, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 141, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 141, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 141, 62);  
box-shadow:4px 4px 4px 4px rgb(51, 141,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 55.427, 142.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 141, 62) }
```

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

```
.background{ background-color: rgb(51, 141,  
62) }
```

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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