

Converting Colors

CIELCh(53, 68.322, 139.099)

Have a look what the booklet for
CIELCh(53, 68.322, 139.099)
contains.

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Color

CIELCh(53, 68.310, 139.109)

Conversions

Conversions Part 1

Format	Color
Hex	209229
RGB	32, 146, 41
RGB Percent	13%, 57%, 16%
CMY	0.8741, 0.4272, 0.8390
CMYK	0.78, 0.00, 0.72, 0.43
HSL	125°, 64%, 35%
HSV	125°, 78%, 57%
XYZ	11.2886, 21.0462, 5.5710
YIQ	99.9440, -34.2390, -56.8230

Conversions

Conversions Part 2

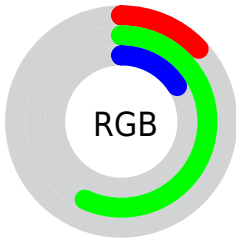
Format	Color
R_{YB}	32, 138, 146
Decimal	2134569
CIE _{Lab}	53.00, -51.64, 44.72
CIE _{LCh}	53, 68.310, 139.109
Yxy	21.0462, 0.2978, 0.5552
Android (android.graphics.Color)	4280324649 (0xFF209229)
YUV	99.9440, -29.0594, -59.5869
Hunter-Lab	45.8761, -36.3604, 24.9134

Details

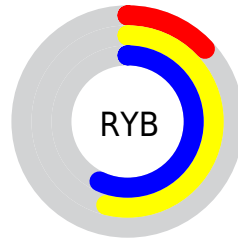
The CIELCh color **53, 68.310, 139.109** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **36, 65.841, 330.714**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 68.484, 139.032**, and **34, 57.725, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **53, 73.427, 137.911**, and if you desaturate by 10%, it is **53, 61.766, 140.384**.

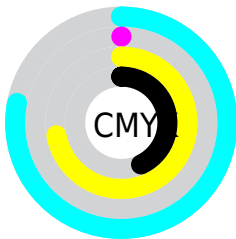
Distribution



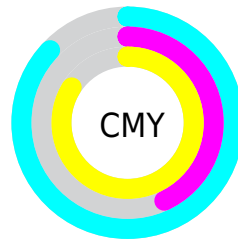
- Red (13%)
- Green (57%)
- Blue (16%)



- Red (13%)
- Yellow (54%)
- Blue (57%)



- Cyan (78%)
- Magenta (0%)
- Yellow (72%)
- Black (43%)





- Cyan (87%)
- Magenta (43%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 68.310, 139.109 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 53, 68.310, 139.109 by changing the saturation by 10% instead.


 53, 68.310,
139.109


 53, 68.310,
139.109


 100, 68.310,
139.109

 43, 68.310,
139.109


 73, 68.310,
139.109

 33, 68.310,
139.109

 83, 68.310,
139.109

 23, 68.310,
139.109

 93, 68.310,
139.109

 13, 68.310,
139.109

 3, 68.310, 139.109

 0, 68.310, 139.109

■ 53, 68.310,
139.109

■ 53, 68.310,
139.109

■ 53, 73.427,
137.911

■ 53, 61.766,
140.384

■ 53, 76.943,
136.969

■ 54, 54.085,
141.632

■ 53, 77.475,
136.857

■ 55, 45.555,
142.788

■ 56, 36.439,
143.823

■ 57, 26.967,
144.728

■ 58, 17.328,
145.513

■ 59, 7.673, 146.198

■ 61, 1.882, 326.625

■ 63, 11.258,
327.212

Harmonies

Complementary

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



53, 68.310, 139.109



36, 65.841, 330.714

Rectangle

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



53, 68.310, 139.109



53, 68.310, 189.109



53, 68.310, 319.109



53, 68.310, 9.109

Sweetspot

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



53, 68.310, 139.110



73, 27.277, 145.100



58, 57.343, 107.081



37, 18.819, 144.838



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



53, 68.310, 139.110



67, 92.157, 137.103



54, 46.309, 157.705



31, 5.462, 146.120



50, 74.118, 136.914



2, 4.758, 146.638

Inverse Universe

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



36, 65.841, 330.714



44, 85.766, 331.414



33, 50.122, 359.238



29, 5.472, 327.120



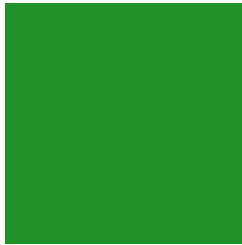
32, 68.812, 331.547



1, 4.759, 326.633

Previews

White Background



This preview shows how the CIELCh color 53, 68.310, 139.109 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 53, 68.310, 139.109 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 53, 68.310, 139.109

Background



This preview shows how black text looks on a background with the CIELCh color 53, 68.310, 139.109.



This preview shows how white text looks on a background with the CIELCh color 53, 68.310, 139.109.

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


53, 68.310, 139.109

Protanopia

53, 48.512, 95.552

Deuteranopia

52, 42.455, 80.521



Tritanopia
53, 22.560, 213.987

Trichromacy



Original Color
53, 68.310, 139.109

Protanomaly
51, 52.252, 120.005

Deuteranomaly
51, 45.312, 115.018

Tritanomaly
53, 35.163, 164.284

Monochromacy



Original Color
53, 68.310, 139.109

Achromatopsia
42, 0.006, 296.813

Achromatomaly
45, 28.403, 144.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 68.310, 139.109 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(32, 146, 41)` looks like.

```
.text, #text, p{  
    color:rgb(32, 146, 41)  
}
```

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(32, 146, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 146, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 68.310, 139.109 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(32, 146, 41) }
```

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

```
.border{ border-color:rgb(32, 146, 41) }
```

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

Here you see how a box with a 4 pixel rgb(32, 146, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 146, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 146, 41);  
box-shadow:4px 4px 4px 4px rgb(32, 146,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 68.310, 139.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 146, 41) }
```

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

```
.background{ background-color: rgb(32, 146,  
41) }
```

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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