

Converting Colors

CIELCh(53, 50.826, 149.148)

Have a look what the booklet for
CIELCh(53, 50.826, 149.148)
contains.

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Color

CIELCh(53, 50.591, 149.270)

Conversions

Conversions Part 1

Format	Color
Hex	2C9050
RGB	44, 144, 80
RGB Percent	17%, 56%, 31%
CMY	0.8277, 0.4355, 0.6864
CMYK	0.69, 0.00, 0.44, 0.44
HSL	142°, 53%, 37%
HSV	142°, 69%, 56%
XYZ	12.4495, 21.0462, 10.9879
YIQ	106.8040, -39.0560, -41.1040

Conversions

Conversions Part 2

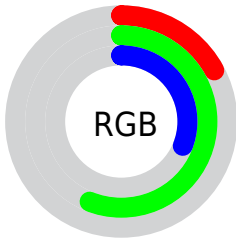
Format	Color
R_{YB}	44, 118, 144
Decimal	2920528
CIE _{Lab}	53.00, -43.49, 25.85
CIE _{LCh}	53, 50.591, 149.270
Y _{xy}	21.0462, 0.2799, 0.4731
Android (android.graphics.Color)	4281110608 (0xFF2C9050)
YUV	106.8040, -13.2144, -55.0791
Hunter-Lab	45.8761, -31.8432, 17.9126

Details

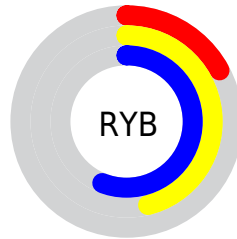
The CIELCh color **53, 50.591, 149.270** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **36, 50.471, 343.313**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 50.708, 149.111**, and **33, 46.050, 145.116** is the 20% darker color. If you saturate the color by 10%, you get **53, 56.195, 147.534**, and if you desaturate by 10%, it is **54, 44.329, 150.819**.

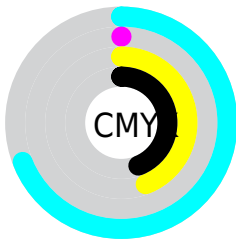
Distribution



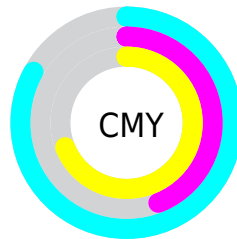
- Red (17%)
- Green (56%)
- Blue (31%)



- Red (17%)
- Yellow (46%)
- Blue (56%)



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





- Cyan (83%)
- Magenta (44%)
- Yellow (69%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 50.591, 149.270 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, 50.591, 149.270 by changing the saturation by 10% instead.


 53, 50.591,
149.270


 53, 50.591,
149.270


 100, 50.591,
149.270

 43, 50.591,
149.270


 73, 50.591,
149.270

 33, 50.591,
149.270

 83, 50.591,
149.270

 23, 50.591,
149.270

 93, 50.591,
149.270

 13, 50.591,
149.270

 3, 50.591, 149.270

 0, 50.591, 149.270

■ 53, 50.591,
149.270

■ 53, 50.591,
149.270

■ 53, 56.195,
147.534

■ 54, 44.329,
150.819

■ 52, 61.069,
145.628

■ 54, 37.514,
152.184

■ 52, 65.300,
143.694

■ 55, 30.277,
153.381

■ 52, 65.515,
143.601

■ 56, 22.749,
154.430

■ 57, 15.056,
155.353

■ 58, 7.306, 156.180

■ 60, 0.411, 336.175

■ 61, 8.027, 337.461

■ 63, 15.492,
338.052

Harmonies

Complementary

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



53, 50.591, 149.270



36, 50.471, 343.313

Rectangle

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



53, 50.591, 149.270



53, 50.591, 199.270



53, 50.591, 329.270



53, 50.591, 19.270

Sweetspot

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



53, 50.592, 149.270



72, 20.024, 155.181



55, 54.641, 120.565



38, 13.657, 154.959



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, 50.592, 149.270



67, 71.105, 146.556



54, 32.102, 180.629



30, 4.325, 156.204



49, 62.388, 143.736



2, 2.917, 156.827

Inverse Universe

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



36, 50.471, 343.313



43, 67.912, 345.761



34, 45.480, 18.930



28, 4.354, 337.428



29, 55.871, 348.816



1, 2.917, 336.819

Previews

White Background



This preview shows how the CIE LCh color 53, 50.591, 149.270 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 53, 50.591, 149.270 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, 50.591, 149.270

Background



This preview shows how black text looks on a background with the CIELCh color 53, 50.591, 149.270.



This preview shows how white text looks on a background with the CIELCh color 53, 50.591, 149.270.

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, 50.591, 149.270

Protanopia
53, 30.567, 95.980

Deuteranopia
52, 24.098, 73.356



Tritanopia
53, 22.343, 214.170

Trichromacy



Original Color
53, 50.591, 149.270



Protanomaly
52, 34.505, 127.444



Deuteranomaly
52, 26.819, 123.800



Tritanomaly
53, 28.547, 177.573

Monochromacy



Original Color
53, 50.591, 149.270



Achromatopsia
45, 0.006, 296.813



Achromatomaly
47, 19.932, 154.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 50.591, 149.270 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, 144, 80)` looks like.

```
.text, #text, p{  
    color:rgb(44, 144, 80)  
}
```

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, 144, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 144, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 50.591, 149.270 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, 144, 80) }
```

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

```
.border{ border-color:rgb(44, 144, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 144, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 144, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 144, 80);  
box-shadow:4px 4px 4px 4px rgb(44, 144,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 50.591, 149.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 144, 80) }
```

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

```
.background{ background-color: rgb(44, 144,  
80) }
```

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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