

Converting Colors

CIELCh(51, 29.859, 139.761)

Have a look what the booklet for
CIELCh(51, 29.859, 139.761)
contains.

CIELCh(51, 29.564, 139.962)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 29.564, 139.962)

Conversions

Conversions Part 1

Format	Color
Hex	5C8358
RGB	92, 131, 88
RGB Percent	36%, 51%, 35%
CMY	0.6386, 0.4856, 0.6543
CMYK	0.30, 0.00, 0.33, 0.49
HSL	114°, 20%, 43%
HSV	114°, 33%, 51%
XYZ	14.3367, 19.2686, 12.2303
YIQ	114.4370, -9.4410, -21.6410

Conversions

Conversions Part 2

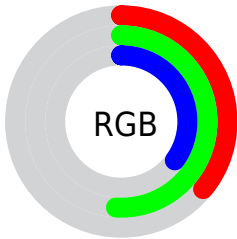
Format	Color
R_{YB}	88, 131, 127
Decimal	6062936
CIE _{Lab}	51.00, -22.63, 19.02
CIE _{LCh}	51, 29.564, 139.962
Yxy	19.2686, 0.3128, 0.4204
Android (android.graphics.Color)	4284253016 (0xFF5C8358)
YUV	114.4370, -13.0334, -19.6772
Hunter-Lab	43.8960, -18.5190, 14.2079

Details

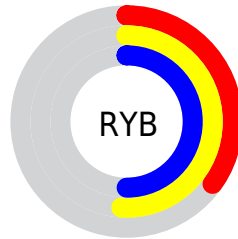
The CIELCh color $51, 29.564, 139.962$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $43, 29.732, 323.436$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $71, 29.600, 140.053$, and $31, 29.294, 139.923$ is the 20% darker color. If you saturate the color by 10%, you get $50, 38.350, 139.189$, and if you desaturate by 10%, it is $52, 20.568, 140.655$.

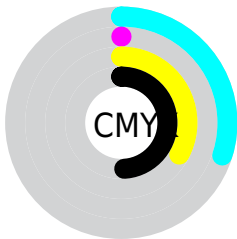
Distribution



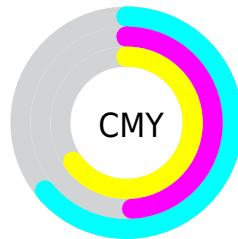
- Red (36%)
- Green (51%)
- Blue (35%)



- Red (35%)
- Yellow (51%)
- Blue (50%)



- Cyan (30%)
- Magenta (0%)
- Yellow (33%)
- Black (49%)





- Cyan (64%)
- Magenta (49%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 29.564, 139.962 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 51, 29.564, 139.962 by changing the saturation by 10% instead.


 51, 29.564,
139.962


 51, 29.564,
139.962


 100, 29.564,
139.962


 41, 29.564,
139.962


 71, 29.564,
139.962

 31, 29.564,
139.962

 81, 29.564,
139.962

 21, 29.564,
139.962

 91, 29.564,
139.962

 11, 29.564,
139.962

 1, 29.564, 139.962

 0, 29.564, 139.962

■ 51, 29.564,
139.962

■ 51, 29.564,
139.962

■ 50, 38.350,
139.189

■ 52, 20.568,
140.655

■ 49, 46.728,
138.354

■ 53, 11.506,
141.267

■ 49, 54.451,
137.499

■ 54, 2.490, 141.845

■ 48, 61.211,
136.699

■ 56, 6.400, 322.198

■ 48, 66.653,
136.066

■ 57, 15.109,
322.597

■ 48, 70.455,
135.717

■ 59, 23.601,
322.929

■ 47, 72.546,
135.428

■ 61, 31.857,
323.210

■ 62, 39.865,
323.449

■ 64, 47.626,
323.653

Harmonies

Complementary

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



51, 29.564, 139.962



43, 29.732, 323.436

Rectangle

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



51, 29.564, 139.962



51, 29.564, 189.962



51, 29.564, 319.962



51, 29.564, 9.962

Sweetspot

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



51, 29.565, 139.963



68, 11.147, 141.412



53, 22.202, 102.447



36, 7.670, 141.344



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 29.565, 139.963



64, 43.480, 139.421



51, 22.700, 155.859



27, 5.107, 141.473



47, 72.092, 135.422



1, 1.219, 141.909

Inverse Universe

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



43, 29.732, 323.436



53, 43.733, 323.747



43, 23.205, 341.249



26, 5.123, 322.317



28, 70.534, 324.719



0, 1.219, 321.905

Previews

White Background



This preview shows how the CIELCh color 51, 29.564, 139.962 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 51, 29.564, 139.962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

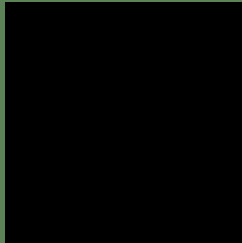
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 29.564, 139.962

Background



This preview shows how black text looks on a background with the CIELCh color 51, 29.564, 139.962.



This preview shows how white text looks on a background with the CIELCh color 51, 29.564, 139.962.

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
51, 29.564, 139.962

Protanopia
51, 21.809, 95.520

Deuteranopia
51, 18.770, 70.066



Tritanopia
51, 10.383, 233.013

Trichromacy



Original Color
51, 29.564, 139.962

Protanomaly
51, 22.639, 116.161

Deuteranomaly
51, 18.481, 105.038

Tritanomaly
51, 12.474, 173.164

Monochromacy



Original Color
51, 29.564, 139.962

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 11.022, 140.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 29.564, 139.962 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(92, 131, 88)` looks like.

```
.text, #text, p{  
    color:rgb(92, 131, 88)  
}
```

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(92, 131, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 131, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 29.564, 139.962 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(92, 131, 88) }
```

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

```
.border{ border-color:rgb(92, 131, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 131, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 131, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 131, 88);  
box-shadow:4px 4px 4px 4px rgb(92, 131,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 29.564, 139.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 131, 88) }
```

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

```
.background{ background-color: rgb(92, 131,  
88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor