

Converting Colors

CIELCh(64, 60.555, 140.595)

Have a look what the booklet for
CIELCh(64, 60.555, 140.595)
contains.

CIELCh(64, 60.109, 140.584)	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(64, 60.109, 140.584)

Conversions

Conversions Part 1

Format	Color
Hex	51AE53
RGB	81, 174, 83
RGB Percent	32%, 68%, 33%
CMY	0.6809, 0.3163, 0.6733
CMYK	0.53, 0.00, 0.52, 0.32
HSL	121°, 37%, 50%
HSV	121°, 53%, 68%
XYZ	20.2014, 32.8017, 13.5147
YIQ	135.8190, -26.2170, -48.0170

Conversions

Conversions Part 2

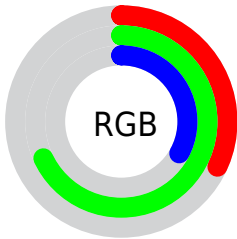
Format	Color
RYB	81, 172, 174
Decimal	5353043
CIELab	64.00, -46.44, 38.17
CIElCh	64, 60.109, 140.584
Yxy	32.8017, 0.3037, 0.4931
Android (android.graphics.Color)	4283543123 (0xFF51AE53)
YUV	135.8190, -26.0398, -48.0763
Hunter-Lab	57.2727, -37.2663, 26.1002

Details

The CIELCh color **64, 60.109, 140.584** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **49, 59.673, 327.777**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 60.198, 140.536**, and **44, 60.469, 140.401** is the 20% darker color. If you saturate the color by 10%, you get **63, 69.600, 139.429**, and if you desaturate by 10%, it is **65, 49.623, 141.666**.

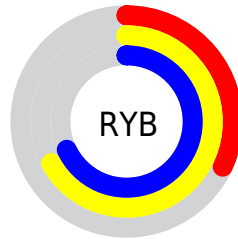
Distribution



Red (32%)

Green (68%)

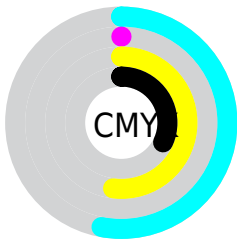
Blue (33%)



Red (32%)

Yellow (67%)

Blue (68%)

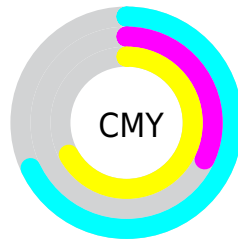


Cyan (53%)

Magenta (0%)

Yellow (52%)

Black (32%)



Cyan (68%)

Magenta (32%)

Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 60.109, 140.584 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 64, 60.109, 140.584 by changing the saturation by 10% instead.

 64, 60.109,
140.584

 64, 60.109,
140.584

 100, 60.109,
140.584

 54, 60.109,
140.584


 84, 60.109,
140.584

 44, 60.109,
140.584

 94, 60.109,
140.584

 34, 60.109,
140.584

 24, 60.109,
140.584

 14, 60.109,
140.584

 4, 60.109, 140.584

 0, 60.109, 140.584

■ 64, 60.109,
140.584

■ 64, 60.109,
140.584

■ 63, 69.600,
139.429

■ 65, 49.623,
141.666

■ 63, 77.687,
138.279

■ 66, 38.490,
142.636

■ 62, 83.939,
137.255

■ 67, 27.001,
143.485

■ 62, 88.006,
136.496

■ 69, 15.386,
144.218

■ 62, 89.665,
136.200

■ 71, 3.817, 144.883

■ 72, 7.578, 325.315

■ 74, 18.715,
325.779

■ 77, 29.538,
326.163

■ 79, 40.019,
326.487

Harmonies

Complementary

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



64, 60.109, 140.584



49, 59.673, 327.777

Rectangle

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



64, 60.109, 140.584



64, 60.109, 190.584



64, 60.109, 320.584



64, 60.109, 10.584

Sweetspot

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



64, 60.110, 140.584



87, 22.905, 144.013



69, 48.714, 106.015



46, 15.599, 143.868



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 60.110, 140.584



80, 86.657, 139.220



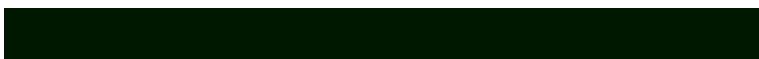
65, 41.107, 158.869



36, 6.487, 144.486



54, 80.372, 136.235



6, 13.694, 144.902

Inverse Universe

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



49, 59.673, 327.777



60, 85.318, 328.253



48, 43.699, 350.481



34, 6.497, 325.491



35, 76.707, 329.073



2, 13.566, 325.278

Previews

White Background



This preview shows how the CIELCh color 64, 60.109, 140.584 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 64, 60.109, 140.584 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 ✓ Pass

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

CIELCh 64, 60.109, 140.584

Background



This preview shows how black text looks on a background with the CIELCh color 64, 60.109, 140.584.



This preview shows how white text looks on a background with the CIELCh color 64, 60.109, 140.584.

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
64, 60.109, 140.584

Protanopia
64, 42.254, 95.780

Deuteranopia
63, 36.611, 77.360



Tritanopia
64, 20.773, 218.484

Trichromacy



Original Color
64, 60.109, 140.584



Protanomaly
63, 45.011, 118.170



Deuteranomaly
63, 37.599, 111.356



Tritanomaly
64, 29.454, 168.586

Monochromacy



Original Color
64, 60.109, 140.584



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 23.065, 143.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 60.109, 140.584 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(81, 174, 83)` looks like.

```
.text, #text, p{  
    color:rgb(81, 174, 83)  
}
```

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(81, 174, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 174, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 60.109, 140.584 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(81, 174, 83) }
```

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

```
.border{ border-color:rgb(81, 174, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 174, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 174, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 174, 83);  
box-shadow:4px 4px 4px 4px rgb(81, 174,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 60.109, 140.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 174, 83) }
```

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

```
.background{ background-color: rgb(81, 174,  
83) }
```

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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