

Converting Colors

CIELCh(51, 35.307, 251.039)

Have a look what the booklet for
CIELCh(51, 35.307, 251.039)
contains.

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Color

CIELCh(51, 35.323, 251.013)

Conversions

Conversions Part 1

Format	Color
Hex	1082B2
RGB	16, 130, 178
RGB Percent	6%, 51%, 70%
CMY	0.9379, 0.4904, 0.3022
CMYK	0.91, 0.27, 0.00, 0.30
HSL	198°, 84%, 38%
HSV	198°, 91%, 70%
XYZ	16.2137, 19.2686, 44.9485
YIQ	101.3860, -83.3520, -9.2400

Conversions

Conversions Part 2

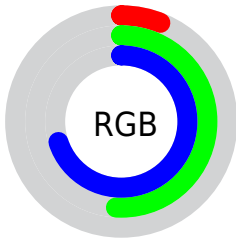
Format	Color
R_{YB}	16, 83, 178
Decimal	1082034
CIE _{Lab}	51.00, -11.49, -33.40
CIE _{LCh}	51, 35.323, 251.013
Yxy	19.2686, 0.2016, 0.2396
Android (android.graphics.Color)	4279272114 (0xFF1082B2)
YUV	101.3860, 37.7707, -74.8835
Hunter-Lab	43.8960, -10.8864, -29.9843

Details

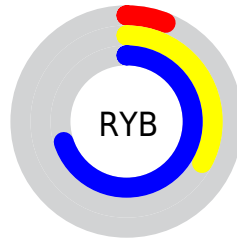
The CIELCh color **51, 35.323, 251.013** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **43, 66.427, 47.962**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 35.293, 250.940**, and **33, 30.956, 263.283** is the 20% darker color. If you saturate the color by 10%, you get **49, 37.105, 255.227**, and if you desaturate by 10%, it is **53, 33.168, 246.675**.

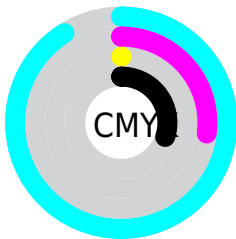
Distribution



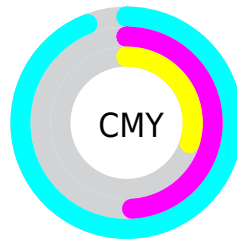
- Red (6%)
- Green (51%)
- Blue (70%)



- Red (6%)
- Yellow (33%)
- Blue (70%)



- Cyan (91%)
- Magenta (27%)
- Yellow (0%)
- Black (30%)





- Cyan (94%)
- Magenta (49%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 35.323, 251.013 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, 35.323, 251.013 by changing the saturation by 10% instead.


 51, 35.323,
251.013


 51, 35.323,
251.013


 100, 35.323,
251.013


 41, 35.323,
251.013


 71, 35.323,
251.013

 31, 35.323,
251.013

 81, 35.323,
251.013

 21, 35.323,
251.013

 91, 35.323,
251.013

 11, 35.323,
251.013

 1, 35.323, 251.013

 0, 35.323, 251.013

■ 51, 35.323,
251.013

■ 51, 35.323,
251.013

■ 49, 37.105,
255.227

■ 53, 33.168,
246.675

■ 55, 30.635,
243.011

■ 57, 27.637,
239.998

■ 59, 24.144,
237.566

■ 62, 20.174,
235.626

■ 64, 15.774,
234.091

■ 67, 11.004,
232.889

■ 69, 5.927, 231.969

Harmonies

Complementary

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



51, 35.323, 251.013



43, 66.427, 47.962

Rectangle

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



51, 35.323, 251.013



51, 35.323, 301.013



51, 35.323, 71.013



51, 35.323, 121.013

Sweetspot

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



51, 35.322, 251.014



83, 17.172, 233.619



64, 77.508, 142.318



43, 11.551, 234.055



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



51, 35.322, 251.014



63, 45.624, 256.188



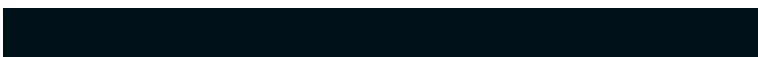
29, 79.756, 299.407



36, 3.042, 231.836



43, 33.020, 254.569



5, 7.582, 243.696

Inverse Universe

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



40, 69.944, 342.960



52, 85.933, 344.913



61, 62.849, 87.868



35, 5.486, 334.719



34, 63.376, 344.283



2, 12.244, 338.570

Previews

White Background



This preview shows how the CIE LCh color 51, 35.323, 251.013 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 51, 35.323, 251.013 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, 35.323, 251.013

Background



This preview shows how black text looks on a background with the CIELCh color 51, 35.323, 251.013.

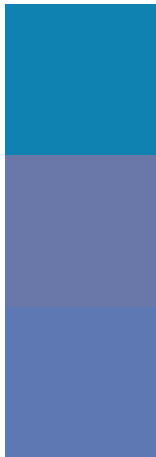


This preview shows how white text looks on a background with the CIELCh color 51, 35.323, 251.013.

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](#).

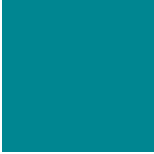
Dichromacy



Original Color
51, 35.323, 251.013

Protanopia
51, 29.348, 284.936

Deuteranopia
51, 35.450, 281.825



Tritanopia
51, 29.977, 209.186

Trichromacy



Original Color
51, 35.323, 251.013

Protanomaly
50, 31.220, 266.366

Deuteranomaly
50, 34.774, 267.305

Tritanomaly
51, 30.091, 225.133

Monochromacy



Original Color
51, 35.323, 251.013

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 17.019, 235.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 35.323, 251.013 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(16, 130, 178)` looks like.

```
.text, #text, p{  
    color:rgb(16, 130, 178)  
}
```

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(16, 130, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 130, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 35.323, 251.013 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(16, 130, 178) }
```

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

```
.border{ border-color:rgb(16, 130, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 130, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 130, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 130, 178);  
box-shadow:4px 4px 4px 4px rgb(16, 130,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 35.323, 251.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 130, 178) }
```

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

```
.background{ background-color: rgb(16, 130,  
178) }
```

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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