

Converting Colors

CIELCh(50, 10.124, 230.082)

Have a look what the booklet for
CIELCh(50, 10.124, 230.082)
contains.

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Color

CIELCh(50, 10.133, 230.099)

Conversions

Conversions Part 1

Format	Color
Hex	637B84
RGB	99, 123, 132
RGB Percent	39%, 48%, 52%
CMY	0.6125, 0.5184, 0.4831
CMYK	0.25, 0.07, 0.00, 0.48
HSL	196°, 14%, 45%
HSV	196°, 25%, 52%
XYZ	16.3336, 18.4187, 24.4520
YIQ	116.8500, -17.1930, -2.2890

Conversions

Conversions Part 2

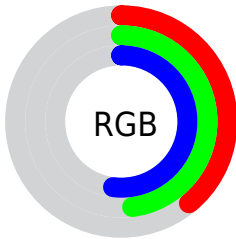
Format	Color
R_{YB}	99, 113, 132
Decimal	6519684
CIE _{Lab}	50.00, -6.50, -7.77
CIE _{LCh}	50, 10.133, 230.099
Y _{xy}	18.4187, 0.2759, 0.3111
Android (android.graphics.Color)	4284709764 (0xFF637B84)
Y _{UV}	116.8500, 7.4690, -15.6544
Hunter-Lab	42.9170, -7.1700, -3.7386

Details

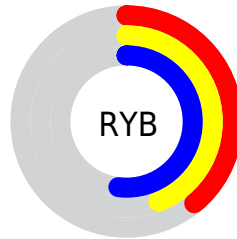
The CIELCh color `50, 10.133, 230.099` is a dark color, and the websafe version is hex `666666`. A complement of this color would be `48, 11.759, 46.999`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 10.239, 231.300`, and `30, 10.294, 232.635` is the 20% darker color. If you saturate the color by 10%, you get `48, 13.755, 231.229`, and if you desaturate by 10%, it is `52, 6.244, 229.222`.

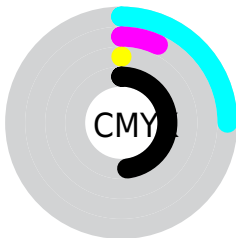
Distribution



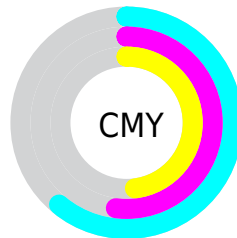
- Red (39%)
- Green (48%)
- Blue (52%)



- Red (39%)
- Yellow (44%)
- Blue (52%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)
- Black (48%)





- Cyan (61%)
- Magenta (52%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 10.133, 230.099 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 50, 10.133, 230.099 by changing the saturation by 10% instead.


 50, 10.133,
230.099


 50, 10.133,
230.099


 100, 10.133,
230.099


 40, 10.133,
230.099


 70, 10.133,
230.099

 30, 10.133,
230.099


 80, 10.133,
230.099


 20, 10.133,
230.099

 90, 10.133,
230.099

 10, 10.133,
230.099

 0, 10.133, 230.099

 50, 10.133,
230.099

 50, 10.133,
230.099

■ 48, 13.755,
231.229

■ 52, 6.244, 229.222

■ 46, 17.058,
232.683

■ 54, 2.137, 228.645

■ 56, 2.141, 47.753

■ 45, 19.996,
234.527

■ 58, 6.552, 47.461

■ 43, 22.533,
236.842

■ 60, 11.060, 47.172

■ 63, 15.639, 46.946

■ 41, 24.658,
239.711

■ 65, 20.266, 46.776

■ 40, 26.394,
243.202

■ 67, 24.921, 46.652

■ 69, 29.590, 46.564

■ 39, 27.826,
247.307

■ 38, 28.541,
249.342

Harmonies

Complementary

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



50, 10.133, 230.099



48, 11.759, 46.999

Rectangle

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



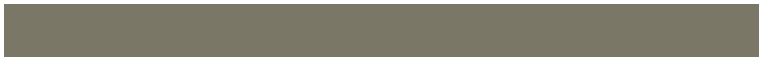
50, 10.133, 230.099



50, 10.133, 280.099



50, 10.133, 50.099



50, 10.133, 100.099

Sweetspot

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



50, 10.133, 230.093



68, 4.171, 228.777



52, 19.324, 151.151



35, 2.979, 228.852



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 10.133, 230.093



62, 14.765, 230.698



45, 15.263, 281.659



27, 2.385, 228.829



37, 28.254, 249.272



0, 0.582, 228.196

Inverse Universe

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



46, 19.386, 334.857



56, 28.714, 335.267



52, 14.959, 95.448



26, 4.356, 333.753



28, 57.330, 342.369



0, 1.036, 333.201

Previews

White Background



This preview shows how the CIE LCh color 50, 10.133, 230.099 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 50, 10.133, 230.099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

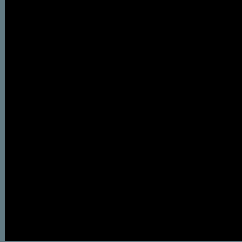
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

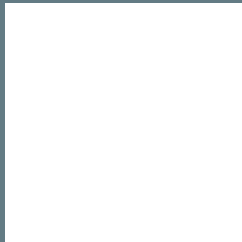
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 10.133, 230.099

Background



This preview shows how black text looks on a background with the CIELCh color 50, 10.133, 230.099.



This preview shows how white text looks on a background with the CIELCh color 50, 10.133, 230.099.

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

50, 10.133, 230.099

Protanopia

50, 6.443, 291.020

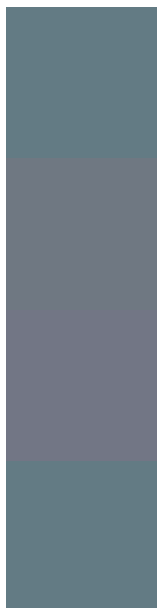
Deuteranopia

50, 10.365, 306.545



Tritanopia
50, 10.133, 230.099

Trichromacy



Original Color
50, 10.133, 230.099

Protanomaly
50, 6.709, 260.184

Deuteranomaly
50, 8.885, 281.493

Tritanomaly
50, 10.133, 230.099

Monochromacy



Original Color
50, 10.133, 230.099

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 3.902, 226.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 10.133, 230.099 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(99, 123, 132)` looks like.

```
.text, #text, p{  
    color:rgb(99, 123, 132)  
}
```

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(99, 123, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 123, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 10.133, 230.099 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(99, 123, 132) }
```

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

```
.border{ border-color:rgb(99, 123, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 123, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 123, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 123, 132);  
box-shadow:4px 4px 4px 4px rgb(99, 123,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 10.133, 230.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 123, 132) }
```

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

```
.background{ background-color: rgb(99, 123,  
132) }
```

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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