

Converting Colors

CIELCh(51, 22.337, 141.302)

Have a look what the booklet for
CIELCh(51, 22.337, 141.302)
contains.

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Color

CIELCh(51, 22.305, 141.314)

Conversions

Conversions Part 1

Format	Color
Hex	638161
RGB	99, 129, 97
RGB Percent	39%, 51%, 38%
CMY	0.6112, 0.4935, 0.6190
CMYK	0.23, 0.00, 0.25, 0.49
HSL	116°, 14%, 44%
HSV	116°, 25%, 51%
XYZ	15.1975, 19.2686, 14.2638
YIQ	116.3820, -7.6080, -16.3120

Conversions

Conversions Part 2

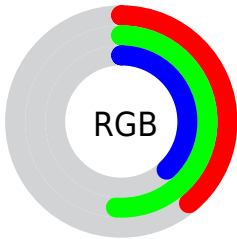
Format	Color
R_{YB}	97, 129, 127
Decimal	6521185
CIE _{Lab}	51.00, -17.41, 13.94
CIE _{LCh}	51, 22.305, 141.314
Yxy	19.2686, 0.3119, 0.3954
Android (android.graphics.Color)	4284711265 (0xFF638161)
YUV	116.3820, -9.5553, -15.2440
Hunter-Lab	43.8960, -15.0185, 11.4612

Details

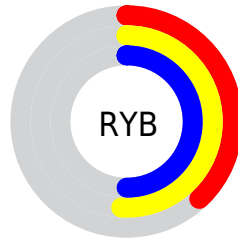
The CIELCh color $51, 22.305, 141.314$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $45, 22.380, 323.954$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 22.259, 141.786$, and $31, 22.899, 141.216$ is the 20% darker color. If you saturate the color by 10%, you get $50, 31.244, 140.569$, and if you desaturate by 10%, it is $52, 13.273, 141.969$.

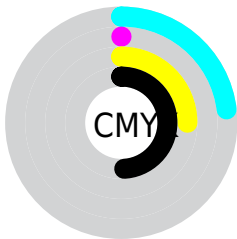
Distribution



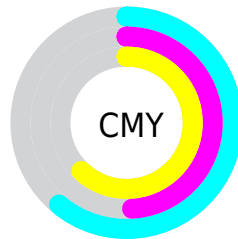
- Red (39%)
- Green (51%)
- Blue (38%)



- Red (38%)
- Yellow (51%)
- Blue (50%)



- Cyan (23%)
- Magenta (0%)
- Yellow (25%)
- Black (49%)





- Cyan (61%)
- Magenta (49%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 22.305, 141.314 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, 22.305, 141.314 by changing the saturation by 10% instead.


 51, 22.305,
141.314


 51, 22.305,
141.314


 100, 22.305,
141.314


 41, 22.305,
141.314


 71, 22.305,
141.314

 31, 22.305,
141.314

 81, 22.305,
141.314

 21, 22.305,
141.314

 91, 22.305,
141.314

 11, 22.305,
141.314

 1, 22.305, 141.314

 0, 22.305, 141.314

■ 51, 22.305,
141.314

■ 51, 22.305,
141.314

■ 50, 31.244,
140.569

■ 52, 13.273,
141.969

■ 49, 39.923,
139.735

■ 53, 4.265, 142.558

■ 48, 48.135,
138.831

■ 55, 4.627, 322.959

■ 48, 55.616,
137.905

■ 56, 13.342,
323.394

■ 47, 62.047,
137.038

■ 58, 21.841,
323.748

■ 47, 67.079,
136.346

■ 59, 30.098,
324.048


■ 47, 70.469,
135.919

■ 61, 38.103,
324.303

■ 47, 71.926,

■ 63, 45.853,
324.520

135.618

 65, 53.352,
324.706

Harmonies

Complementary

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



51, 22.305, 141.314



45, 22.380, 323.954

Rectangle

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



51, 22.305, 141.314



51, 22.305, 191.314



51, 22.305, 321.314



51, 22.305, 11.314

Sweetspot

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



51, 22.306, 141.314



68, 7.767, 142.418



53, 17.156, 104.919



35, 5.025, 142.393



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 22.306, 141.314



65, 33.505, 140.884



51, 16.566, 158.195



26, 4.991, 142.308



46, 71.253, 135.612



0, 0.000, 0.000

Inverse Universe

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



45, 22.380, 323.954



56, 33.622, 324.236



45, 16.918, 342.200



25, 5.004, 323.177



28, 69.364, 325.860



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 22.305, 141.314 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, 22.305, 141.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

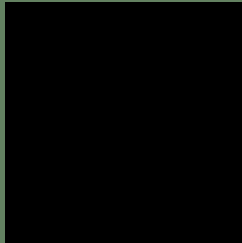
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 22.305, 141.314

Background



This preview shows how black text looks on a background with the CIELCh color 51, 22.305, 141.314.



This preview shows how white text looks on a background with the CIELCh color 51, 22.305, 141.314.

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](#).

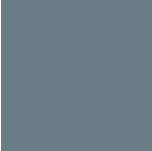
Dichromacy



Original Color
51, 22.305, 141.314

Protanopia
51, 16.578, 95.851

Deuteranopia
51, 14.105, 61.098



Tritanopia
51, 8.743, 240.906

Trichromacy



Original Color
51, 22.305, 141.314

Protanomaly
51, 16.931, 116.746

Deuteranomaly
51, 12.863, 100.831

Tritanomaly
51, 9.073, 179.687

Monochromacy



Original Color
51, 22.305, 141.314

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 7.642, 141.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 22.305, 141.314 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, 129, 97)` looks like.

```
.text, #text, p{  
    color:rgb(99, 129, 97)  
}
```

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, 129, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 129, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 22.305, 141.314 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, 129, 97) }
```

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

```
.border{ border-color:rgb(99, 129, 97) }
```

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

Here you see how a box with a 4 pixel rgb(99, 129, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 129, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 129, 97);  
box-shadow:4px 4px 4px 4px rgb(99, 129,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 22.305, 141.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 129, 97) }
```

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

```
.background{ background-color: rgb(99, 129,  
97) }
```

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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