

Converting Colors

CIELCh(51, 21.737, 166.533)

Have a look what the booklet for
CIELCh(51, 21.737, 166.533)
contains.

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Color

CIELCh(51, 21.737, 166.533)

Conversions

Conversions Part 1

Format	Color
Hex	528370
RGB	82, 131, 112
RGB Percent	32%, 51%, 44%
CMY	0.6776, 0.4854, 0.5600
CMYK	0.37, 0.00, 0.14, 0.49
HSL	157°, 23%, 42%
HSV	157°, 37%, 51%
XYZ	14.5797, 19.2686, 18.3411
YIQ	114.1830, -23.1050, -16.2970

Conversions

Conversions Part 2

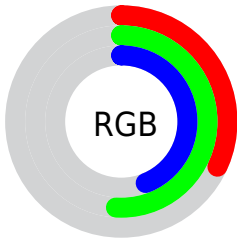
Format	Color
RYB	82, 112, 131
Decimal	5407600
CIELab	51.00, -21.14, 5.06
CIELCh	51, 21.737, 166.533
Yxy	19.2686, 0.2794, 0.3692
Android (android.graphics.Color)	4283597680 (0xFF528370)
YUV	114.1830, -1.0762, -28.2245
Hunter-Lab	43.8960, -17.5308, 5.9540

Details

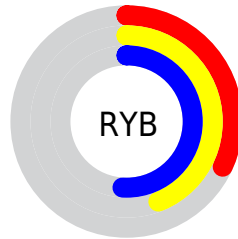
The CIELCh color $51, 21.737, 166.533$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $41, 23.429, 354.109$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $71, 21.583, 167.252$, and $31, 21.641, 166.300$ is the 20% darker color. If you saturate the color by 10%, you get $50, 27.057, 165.309$, and if you desaturate by 10%, it is $52, 16.126, 167.638$.

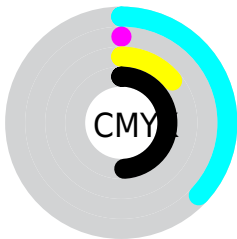
Distribution



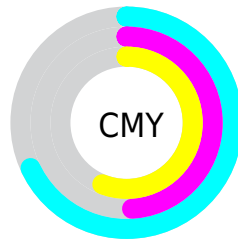
- Red (32%)
- Green (51%)
- Blue (44%)



- Red (32%)
- Yellow (44%)
- Blue (51%)



- Cyan (37%)
- Magenta (0%)
- Yellow (14%)
- Black (49%)





- Cyan (68%)
- Magenta (49%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 21.737, 166.533 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, 21.737, 166.533 by changing the saturation by 10% instead.


 51, 21.737,
166.533


 51, 21.737,
166.533


 100, 21.737,
166.533


 41, 21.737,
166.533


 71, 21.737,
166.533

 31, 21.737,
166.533

 81, 21.737,
166.533

 21, 21.737,
166.533

 91, 21.737,
166.533

 11, 21.737,
166.533

 1, 21.737, 166.533

 0, 21.737, 166.533

■ 51, 21.737,
166.533

■ 51, 21.737,
166.533

■ 50, 27.057,
165.309

■ 52, 16.126,
167.638

■ 50, 31.991,
163.947

■ 53, 10.314,
168.650

■ 49, 36.456,
162.422

■ 54, 4.385, 169.610

■ 49, 40.388,
160.715

■ 55, 1.590, 350.178

■ 56, 7.552, 351.130

■ 48, 43.762,
158.812

■ 58, 13.456,
351.888

■ 48, 46.663,
156.772

■ 59, 19.269,
352.592

■ 48, 47.419,
156.260

■ 61, 24.966,
353.255

■ 63, 30.533,
353.884

Harmonies

Complementary

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



51, 21.737, 166.533



41, 23.429, 354.109

Rectangle

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



51, 21.737, 166.533



51, 21.737, 216.533



51, 21.737, 346.533



51, 21.737, 36.533

Sweetspot

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



51, 21.738, 166.532



68, 8.138, 169.235



52, 30.611, 130.817



36, 5.508, 169.127



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, 21.738, 166.532



64, 31.992, 165.477



50, 15.681, 208.491



27, 3.394, 169.437



48, 47.095, 156.282



1, 0.816, 170.175

Inverse Universe

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



41, 23.429, 354.109



50, 35.046, 355.392



42, 20.391, 30.318



26, 3.458, 350.910



27, 51.414, 11.134



0, 0.816, 350.163

Previews

White Background



This preview shows how the CIELCh color 51, 21.737, 166.533 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, 21.737, 166.533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

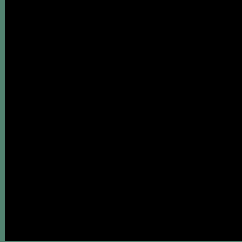
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 21.737, 166.533

Background



This preview shows how black text looks on a background with the CIELCh color 51, 21.737, 166.533.

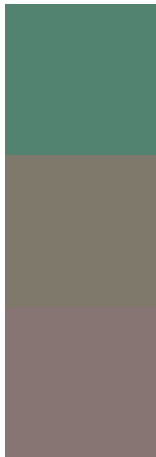


This preview shows how white text looks on a background with the CIELCh color 51, 21.737, 166.533.

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, 21.737, 166.533

Protanopia
51, 8.386, 94.589

Deuteranopia
51, 7.574, 28.973



Tritanopia
51, 14.930, 221.274

Trichromacy



Original Color
51, 21.737, 166.533

Protanomaly
51, 11.177, 142.093

Deuteranomaly
51, 5.276, 137.048

Tritanomaly
51, 15.461, 197.837

Monochromacy



Original Color
51, 21.737, 166.533

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 8.305, 168.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 21.737, 166.533 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(82, 131, 112)` looks like.

```
.text, #text, p{  
    color:rgb(82, 131, 112)  
}
```

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(82, 131, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 131, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 21.737, 166.533 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(82, 131, 112) }
```

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

```
.border{ border-color:rgb(82, 131, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 131, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 131, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 131, 112);  
box-shadow:4px 4px 4px 4px rgb(82, 131,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 21.737, 166.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 131, 112) }
```

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

```
.background{ background-color: rgb(82, 131,  
112) }
```

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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