

Converting Colors

CIELCh(51, 22.301, 166.878)

Have a look what the booklet for
CIELCh(51, 22.301, 166.878)
contains.

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Color

CIELCh(51, 22.018, 166.925)

Conversions

Conversions Part 1

Format	Color
Hex	518370
RGB	81, 131, 112
RGB Percent	32%, 51%, 44%
CMY	0.6810, 0.4849, 0.5595
CMYK	0.38, 0.00, 0.14, 0.48
HSL	157°, 24%, 42%
HSV	157°, 38%, 52%
XYZ	14.5294, 19.2686, 18.3816
YIQ	113.8840, -23.7010, -16.5090

Conversions

Conversions Part 2

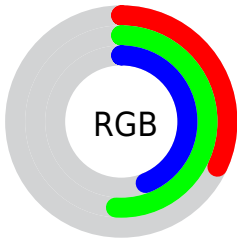
Format	Color
RYB	81, 112, 131
Decimal	5342064
CIELab	51.00, -21.45, 4.98
CIElCh	51, 22.018, 166.925
Yxy	19.2686, 0.2785, 0.3693
Android (android.graphics.Color)	4283532144 (0xFF518370)
YUV	113.8840, -0.9288, -28.8393
Hunter-Lab	43.8960, -17.7351, 5.8993

Details

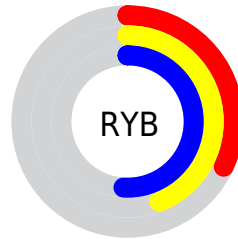
The CIELCh color **51, 22.018, 166.925** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **41, 23.828, 354.722**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 21.869, 167.656**, and **31, 21.877, 166.613** is the 20% darker color. If you saturate the color by 10%, you get **50, 27.274, 165.692**, and if you desaturate by 10%, it is **52, 16.461, 168.038**.

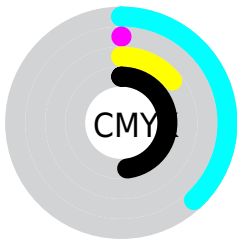
Distribution



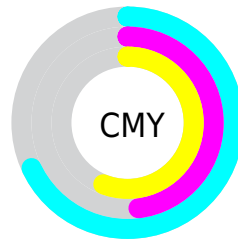
- Red (32%)
- Green (51%)
- Blue (44%)



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



- Cyan (38%)
- Magenta (0%)
- Yellow (14%)
- Black (48%)



- Cyan (68%)
- Magenta (48%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 22.018, 166.925 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, 22.018, 166.925 by changing the saturation by 10% instead.

■ 51, 22.018,
166.925

■ 51, 22.018,
166.925

■ 100, 22.018,
166.925

■ 41, 22.018,
166.925

■ 71, 22.018,
166.925

■ 31, 22.018,
166.925

■ 81, 22.018,
166.925

■ 21, 22.018,
166.925

■ 91, 22.018,
166.925

■ 11, 22.018,
166.925

■ 1, 22.018, 166.925

■ 0, 22.018, 166.925

■ 51, 22.018,
166.925

■ 51, 22.018,
166.925

■ 50, 27.274,
165.692

■ 52, 16.461,
168.038

■ 50, 32.135,
164.321

■ 53, 10.693,
169.057

■ 49, 36.519,
162.788

■ 54, 4.798, 170.021

■ 49, 40.367,
161.071

■ 55, 1.151, 350.522

■ 56, 7.094, 351.559

■ 48, 43.654,
159.159

■ 58, 12.986,
352.327

■ 48, 46.493,
157.128

■ 59, 18.790,
353.040

■ 48, 47.034,
156.758

■ 61, 24.484,
353.711

■ 62, 30.050,
354.348

Harmonies

Complementary

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



51, 22.018, 166.925



41, 23.828, 354.722

Rectangle

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



51, 22.018, 166.925



51, 22.018, 216.925



51, 22.018, 346.925



51, 22.018, 36.925

Sweetspot

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



51, 22.019, 166.924



68, 8.096, 169.716



51, 31.371, 131.327



36, 5.480, 169.607



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, 22.019, 166.924



64, 32.424, 165.825



50, 15.736, 210.525



27, 3.376, 169.918



48, 46.677, 156.782



1, 0.812, 170.658

Inverse Universe

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



41, 23.828, 354.722



49, 35.703, 356.083



42, 20.593, 31.779



26, 3.442, 351.397



27, 51.479, 11.859



0, 0.813, 350.646

Previews

White Background



This preview shows how the CIELCh color 51, 22.018, 166.925 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, 22.018, 166.925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

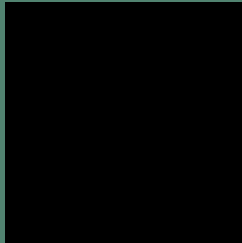
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 22.018, 166.925

Background



This preview shows how black text looks on a background with the CIELCh color 51, 22.018, 166.925.

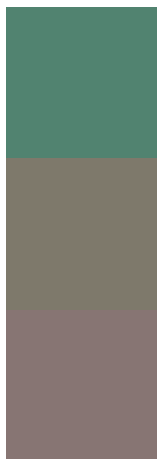


This preview shows how white text looks on a background with the CIELCh color 51, 22.018, 166.925.

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, 22.018, 166.925

Protanopia
51, 8.386, 94.589

Deuteranopia
51, 7.574, 28.973



Tritanopia
51, 15.209, 220.800

Trichromacy



Original Color
51, 22.018, 166.925

Protanomaly
51, 11.177, 142.093

Deuteranomaly
50, 5.480, 140.727

Tritanomaly
51, 15.772, 197.805

Monochromacy



Original Color
51, 22.018, 166.925

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, 22.018, 166.925 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, 131, 112)` looks like.

```
.text, #text, p{  
    color:rgb(81, 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(81, 131, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 131, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 22.018, 166.925 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, 131, 112) }
```

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

```
.border{ border-color:rgb(81, 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(81, 131, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 131, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 131, 112);  
box-shadow:4px 4px 4px 4px rgb(81, 131,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 22.018, 166.925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 131, 112) }
```

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

```
.background{ background-color: rgb(81, 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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