

Converting Colors

CIELCh(51, 22.548, 195.382)

Have a look what the booklet for
CIELCh(51, 22.548, 195.382)
contains.

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Color

CIELCh(51, 22.508, 195.660)

Conversions

Conversions Part 1

Format	Color
Hex	408483
RGB	64, 132, 131
RGB Percent	25%, 52%, 51%
CMY	0.7485, 0.4819, 0.4858
CMYK	0.51, 0.00, 0.01, 0.48
HSL	179°, 35%, 38%
HSV	179°, 51%, 52%
XYZ	14.4927, 19.2686, 24.4677
YIQ	111.5540, -40.2070, -14.7270

Conversions

Conversions Part 2

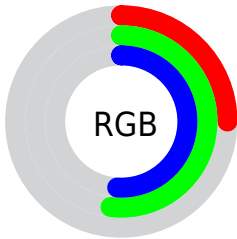
Format	Color
R_{YB}	64, 98, 132
Decimal	4228227
CIE _{Lab}	51.00, -21.67, -6.08
CIE _{LCh}	51, 22.508, 195.660
Yxy	19.2686, 0.2489, 0.3309
Android (android.graphics.Color)	4282418307 (0xFF408483)
YUV	111.5540, 9.5869, -41.7049
Hunter-Lab	43.8960, -17.8844, -2.3211

Details

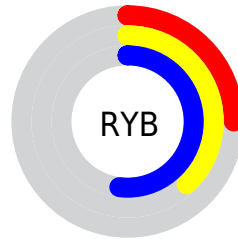
The CIELCh color **51, 22.508, 195.660** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 32.000, 24.003**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 22.275, 196.247**, and **31, 21.981, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **51, 25.418, 195.286**, and if you desaturate by 10%, it is **52, 19.027, 196.075**.

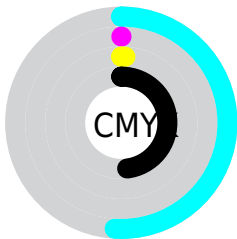
Distribution



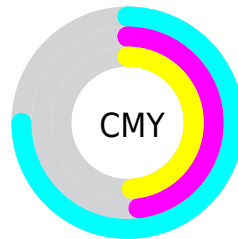
- Red (25%)
- Green (52%)
- Blue (51%)



- Red (25%)
- Yellow (38%)
- Blue (52%)



- Cyan (51%)
- Magenta (0%)
- Yellow (1%)
- Black (48%)




- Cyan (75%)
- Magenta (48%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 22.508, 195.660 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, 22.508, 195.660 by changing the saturation by 10% instead.


 51, 22.508,
195.660


 51, 22.508,
195.660


 100, 22.508,
195.660

 41, 22.508,
195.660


 71, 22.508,
195.660

 31, 22.508,
195.660

 81, 22.508,
195.660

 21, 22.508,
195.660

 91, 22.508,
195.660

 11, 22.508,
195.660

 1, 22.508, 195.660

 0, 22.508, 195.660

■ 51, 22.508,
195.660

■ 51, 22.508,
195.660

■ 51, 25.418,
195.286

■ 52, 19.027,
196.075

■ 50, 27.714,
194.957

■ 52, 15.035,
196.537

■ 50, 29.385,
194.668

■ 53, 10.608,
197.043

■ 50, 30.454,
194.412

■ 54, 5.825, 197.605

■ 50, 31.087,
194.210

■ 55, 0.761, 198.627

■ 56, 4.512, 18.587

■ 57, 9.932, 19.236

■ 59, 15.445, 19.863

■ 60, 21.010, 20.490

Harmonies

Complementary

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



51, 22.508, 195.660



36, 32.000, 24.003

Rectangle

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



51, 22.508, 195.660



51, 22.508, 245.660



51, 22.508, 15.660



51, 22.508, 65.660

Sweetspot

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



51, 22.508, 195.658



68, 9.308, 197.379



50, 46.924, 140.068



36, 6.369, 197.278



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, 22.508, 195.658



64, 31.266, 195.220



41, 22.339, 262.910



28, 2.889, 197.750



49, 30.735, 194.213



1, 0.707, 198.194

Inverse Universe

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



36, 32.000, 24.003



42, 48.803, 26.789



44, 26.223, 67.540



26, 3.049, 18.684



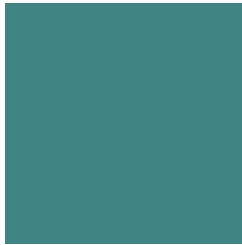
26, 61.669, 37.929



0, 0.707, 18.177

Previews

White Background



This preview shows how the CIELCh color 51, 22.508, 195.660 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, 22.508, 195.660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

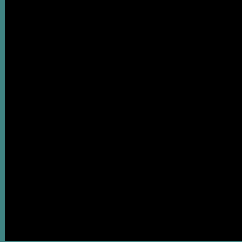
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 22.508, 195.660

Background



This preview shows how black text looks on a background with the CIELCh color 51, 22.508, 195.660.

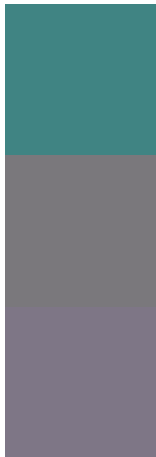


This preview shows how white text looks on a background with the CIELCh color 51, 22.508, 195.660.

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, 22.508, 195.660

Protanopia

51, 2.481, 309.169

Deuteranopia

51, 9.890, 309.580



Tritanopia
51, 20.878, 213.876

Trichromacy



Original Color
51, 22.508, 195.660

Protanomaly
50, 8.795, 210.108

Deuteranomaly
50, 9.289, 237.968

Tritanomaly
51, 21.034, 207.061

Monochromacy



Original Color
51, 22.508, 195.660

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 9.169, 198.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 22.508, 195.660 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(64, 132, 131)` looks like.

```
.text, #text, p{  
    color:rgb(64, 132, 131)  
}
```

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(64, 132, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 132, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 22.508, 195.660 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(64, 132, 131) }
```

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

```
.border{ border-color:rgb(64, 132, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 132, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 132, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 132, 131);  
box-shadow:4px 4px 4px 4px rgb(64, 132,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 22.508, 195.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 132, 131) }
```

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

```
.background{ background-color: rgb(64, 132,  
131) }
```

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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