

Converting Colors

CIELCh(51, 21.463, 197.250)

Have a look what the booklet for
CIELCh(51, 21.463, 197.250)
contains.

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Color

CIELCh(51, 21.656, 197.251)

Conversions

Conversions Part 1

Format	Color
Hex	438484
RGB	67, 132, 132
RGB Percent	26%, 52%, 52%
CMY	0.7384, 0.4834, 0.4834
CMYK	0.49, 0.00, 0.00, 0.48
HSL	180°, 33%, 39%
HSV	180°, 49%, 52%
XYZ	14.6546, 19.2686, 24.6776
YIQ	112.5650, -38.7400, -13.7800

Conversions

Conversions Part 2

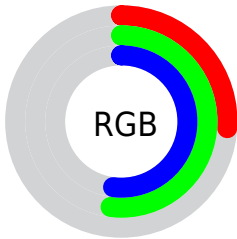
Format	Color
R_{YB}	67, 100, 132
Decimal	4424836
CIE _{Lab}	51.00, -20.68, -6.42
CIE _{LCh}	51, 21.656, 197.251
Yxy	19.2686, 0.2501, 0.3288
Android (android.graphics.Color)	4282614916 (0xFF438484)
YUV	112.5650, 9.5815, -39.9605
Hunter-Lab	43.8960, -17.2262, -2.6046

Details

The CIELCh color **51, 21.656, 197.251** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **36, 30.580, 24.646**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 21.626, 197.721**, and **31, 21.508, 198.182** is the 20% darker color. If you saturate the color by 10%, you get **51, 24.643, 196.960**, and if you desaturate by 10%, it is **52, 18.106, 197.598**.

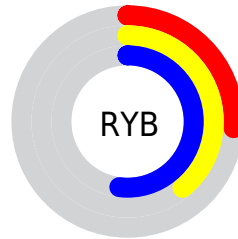
Distribution



Red (26%)

Green (52%)

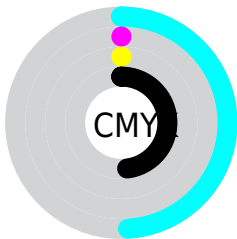
Blue (52%)



Red (26%)

Yellow (39%)

Blue (52%)

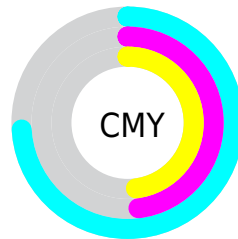


Cyan (49%)

Magenta (0%)

Yellow (0%)

Black (48%)



Cyan (74%)


Magenta (48%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 21.656, 197.251 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, 21.656, 197.251 by changing the saturation by 10% instead.


 51, 21.656,
197.251


 51, 21.656,
197.251


 100, 21.656,
197.251


 41, 21.656,
197.251


 71, 21.656,
197.251

 31, 21.656,
197.251

 81, 21.656,
197.251

 21, 21.656,
197.251

 91, 21.656,
197.251

 11, 21.656,
197.251

 1, 21.656, 197.251

 0, 21.656, 197.251

■ 51, 21.656,
197.251

■ 51, 21.656,
197.251

■ 51, 24.643,
196.960

■ 52, 18.106,
197.598

■ 50, 27.022,
196.733

■ 52, 14.056,
198.004

■ 50, 28.776,
196.568

■ 53, 9.580, 198.466

■ 50, 29.923,
196.460

■ 54, 4.757, 199.001

■ 55, 0.338, 18.241

■ 50, 30.646,
196.393

■ 56, 5.636, 19.925

■ 50, 30.691,
196.389

■ 58, 11.075, 20.537

■ 59, 16.606, 21.141

■ 60, 22.185, 21.747

Harmonies

Complementary

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



51, 21.656, 197.251



36, 30.580, 24.646

Rectangle

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



51, 21.656, 197.251



51, 21.656, 247.251



51, 21.656, 17.251



51, 21.656, 67.251

Sweetspot

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



51, 21.656, 197.249



68, 9.291, 198.669



50, 45.256, 140.619



36, 6.356, 198.577



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, 21.656, 197.249



64, 30.120, 196.935



41, 21.850, 264.240



28, 2.886, 199.014



49, 30.409, 196.389



1, 0.707, 199.423

Inverse Universe

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



39, 45.056, 326.931



47, 64.778, 327.374



45, 25.079, 69.467



26, 5.272, 324.901



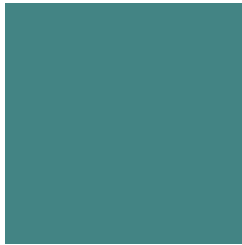
30, 70.124, 328.233



0, 1.256, 324.439

Previews

White Background



This preview shows how the CIELCh color 51, 21.656, 197.251 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, 21.656, 197.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

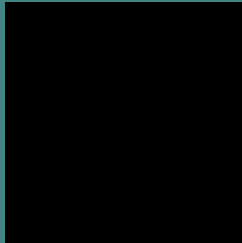
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 21.656, 197.251

Background



This preview shows how black text looks on a background with the CIELCh color 51, 21.656, 197.251.

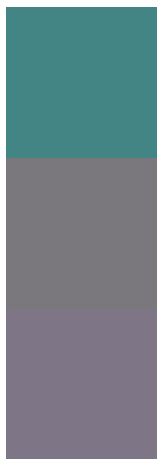


This preview shows how white text looks on a background with the CIELCh color 51, 21.656, 197.251.

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, 21.656, 197.251

Protanopia

51, 3.038, 305.669

Deuteranopia

51, 10.444, 308.595



Tritanopia
51, 20.234, 216.261

Trichromacy



Original Color
51, 21.656, 197.251

Protanomaly
50, 8.446, 210.626

Deuteranomaly
50, 9.372, 242.349

Tritanomaly
51, 20.548, 209.027

Monochromacy



Original Color
51, 21.656, 197.251

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 8.809, 198.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 21.656, 197.251 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(67, 132, 132)` looks like.

```
.text, #text, p{  
    color:rgb(67, 132, 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(67, 132, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 132, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 21.656, 197.251 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(67, 132, 132) }
```

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

```
.border{ border-color:rgb(67, 132, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 132, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 132, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 132, 132);  
box-shadow:4px 4px 4px 4px rgb(67, 132,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 21.656, 197.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 132, 132) }
```

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

```
.background{ background-color: rgb(67, 132,  
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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