

Converting Colors

CIELCh(51, 24.622, 199.197)

Have a look what the booklet for
CIELCh(51, 24.622, 199.197)
contains.

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Color

CIELCh(51, 24.620, 199.743)

Conversions

Conversions Part 1

Format	Color
Hex	368587
RGB	54, 133, 135
RGB Percent	21%, 52%, 53%
CMY	0.7887, 0.4789, 0.4711
CMYK	0.60, 0.01, 0.00, 0.47
HSL	181°, 43%, 37%
HSV	181°, 60%, 53%
XYZ	14.2499, 19.2686, 25.8457
YIQ	109.6070, -47.7260, -16.1260

Conversions

Conversions Part 2

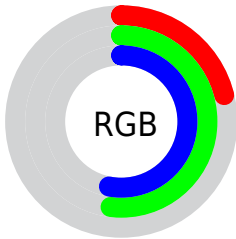
Format	Color
RYB	54, 94, 135
Decimal	3573127
CIELab	51.00, -23.17, -8.32
CIELCh	51, 24.620, 199.743
Yxy	19.2686, 0.2400, 0.3246
Android (android.graphics.Color)	4281763207 (0xFF368587)
YUV	109.6070, 12.5187, -48.7673
Hunter-Lab	43.8960, -18.8718, -4.1824

Details

The CIELCh color **51, 24.620, 199.743** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **34, 38.315, 28.358**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 24.467, 200.107**, and **31, 21.852, 199.838** is the 20% darker color. If you saturate the color by 10%, you get **51, 26.902, 199.717**, and if you desaturate by 10%, it is **52, 21.720, 199.860**.

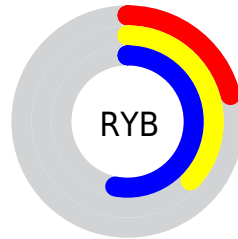
Distribution



Red (21%)

Green (52%)

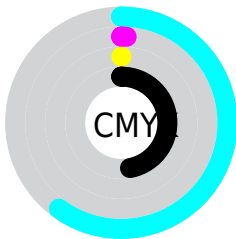
Blue (53%)



Red (21%)

Yellow (37%)

Blue (53%)

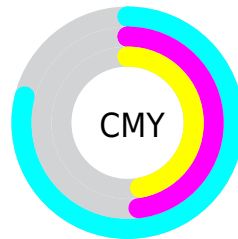


Cyan (60%)

Magenta (1%)

Yellow (0%)

Black (47%)



Cyan (79%)


Magenta (48%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 24.620, 199.743 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, 24.620, 199.743 by changing the saturation by 10% instead.


 51, 24.620,
199.743


 51, 24.620,
199.743


 100, 24.620,
199.743


 41, 24.620,
199.743


 71, 24.620,
199.743

 31, 24.620,
199.743

 81, 24.620,
199.743

 21, 24.620,
199.743

 91, 24.620,
199.743

 11, 24.620,
199.743

 1, 24.620, 199.743

 0, 24.620, 199.743

■ 51, 24.620,
199.743

■ 51, 24.620,
199.743

■ 51, 26.902,
199.717

■ 52, 21.720,
199.860

■ 50, 28.547,
199.793

■ 52, 18.246,
200.066

■ 50, 29.576,
199.972

■ 53, 14.265,
200.351

■ 50, 30.190,
200.221

■ 54, 9.850, 200.708

■ 55, 5.080, 201.147

■ 56, 0.032, 214.476

■ 58, 5.228, 21.913

■ 59, 10.637, 22.463

■ 60, 16.145, 23.004

Harmonies

Complementary

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



51, 24.620, 199.743



34, 38.315, 28.358

Rectangle

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



51, 24.620, 199.743



51, 24.620, 249.743



51, 24.620, 19.743



51, 24.620, 69.743

Sweetspot

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



51, 24.620, 199.741



69, 11.036, 200.774



50, 54.355, 139.853



36, 7.668, 200.672



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 24.620, 199.741



65, 33.489, 199.732



38, 27.488, 269.155



27, 2.814, 201.196



48, 29.408, 200.207



1, 0.690, 201.531

Inverse Universe

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



37, 53.504, 328.120



45, 75.397, 328.608



44, 31.915, 69.723



26, 5.185, 325.568



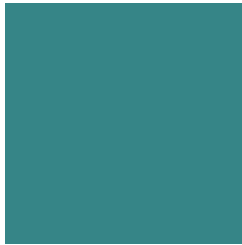
30, 68.821, 329.207



0, 1.235, 325.102

Previews

White Background



This preview shows how the CIELCh color 51, 24.620, 199.743 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, 24.620, 199.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

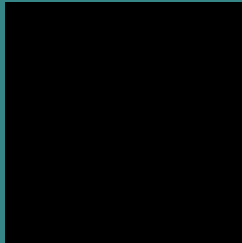
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 24.620, 199.743

Background



This preview shows how black text looks on a background with the CIELCh color 51, 24.620, 199.743.

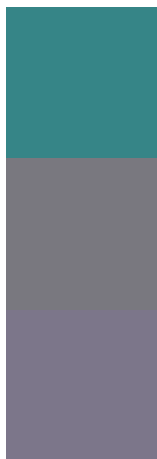


This preview shows how white text looks on a background with the CIELCh color 51, 24.620, 199.743.

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, 24.620, 199.743

Protanopia

51, 4.114, 296.188

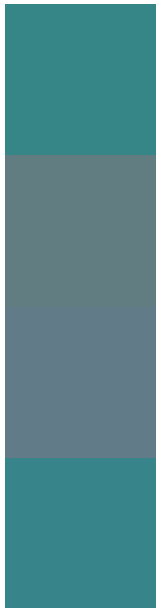
Deuteranopia

51, 11.948, 302.658



Tritanopia
51, 23.474, 211.786

Trichromacy



Original Color
51, 24.620, 199.743

Protanomaly
50, 10.650, 214.415

Deuteranomaly
50, 11.948, 242.217

Tritanomaly
51, 23.680, 207.197

Monochromacy



Original Color
51, 24.620, 199.743

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 10.944, 198.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 24.620, 199.743 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(54, 133, 135)` looks like.

```
.text, #text, p{  
    color:rgb(54, 133, 135)  
}
```

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(54, 133, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 133, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 24.620, 199.743 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(54, 133, 135) }
```

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

```
.border{ border-color:rgb(54, 133, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 133, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 133, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 133, 135);  
box-shadow:4px 4px 4px 4px rgb(54, 133,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 24.620, 199.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 133, 135) }
```

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

```
.background{ background-color: rgb(54, 133,  
135) }
```

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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