

Converting Colors

CIELCh(51, 20.635, 196.916)

Have a look what the booklet for
CIELCh(51, 20.635, 196.916)
contains.

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Color

CIELCh(51, 20.630, 197.340)

Conversions

Conversions Part 1

Format	Color
Hex	468383
RGB	70, 131, 131
RGB Percent	27%, 51%, 51%
CMY	0.7243, 0.4851, 0.4852
CMYK	0.46, 0.00, 0.00, 0.49
HSL	180°, 30%, 40%
HSV	180°, 46%, 51%
XYZ	14.8174, 19.2686, 24.5118
YIQ	112.7610, -36.3560, -12.9320

Conversions

Conversions Part 2

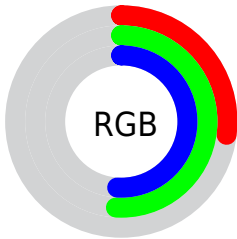
Format	Color
R_{YB}	70, 101, 131
Decimal	4621187
CIE _{Lab}	51.00, -19.69, -6.15
CIE _{LCh}	51, 20.630, 197.340
Yxy	19.2686, 0.2529, 0.3288
Android (android.graphics.Color)	4282811267 (0xFF468383)
YUV	112.7610, 8.9918, -37.5014
Hunter-Lab	43.8960, -16.5641, -2.3807




Details

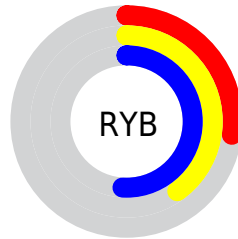
The CIELCh color **51, 20.630, 197.340** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **37, 28.466, 24.114**, and the grayscale version is **48, 0.006, 296.813**.




A 20% lighter version of the original color is **71, 20.485, 197.803**, and **31, 20.495, 198.379** is the 20% darker color. If you saturate the color by 10%, you get **50, 23.778, 197.031**, and if you desaturate by 10%, it is **52, 16.937, 197.704**.

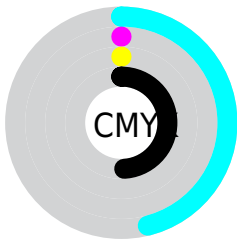
Distribution







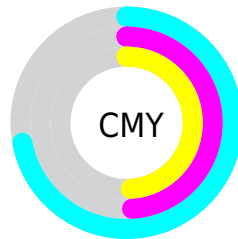
-  Red (27%)
-  Green (51%)
-  Blue (51%)






-  Red (27%)
-  Yellow (40%)
-  Blue (51%)



-  Cyan (46%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (49%)





-  Cyan (72%)
-  Magenta (49%)
-  Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 20.630, 197.340 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, 20.630, 197.340 by changing the saturation by 10% instead.


 51, 20.630,
197.340


 51, 20.630,
197.340


 100, 20.630,
197.340


 41, 20.630,
197.340


 71, 20.630,
197.340

 31, 20.630,
197.340

 81, 20.630,
197.340

 21, 20.630,
197.340

 91, 20.630,
197.340

 11, 20.630,
197.340

 1, 20.630, 197.340

 0, 20.630, 197.340

■ 51, 20.630,
197.340

■ 51, 20.630,
197.340

■ 50, 23.778,
197.031

■ 52, 16.937,
197.704

■ 50, 26.330,
196.786

■ 52, 12.767,
198.126

■ 50, 28.262,
196.602

■ 53, 8.195, 198.606

■ 50, 29.579,
196.477

■ 54, 3.299, 199.182

■ 55, 1.848, 19.376

■ 49, 30.371,
196.402

■ 56, 7.178, 20.100

■ 49, 30.619,
196.379

■ 58, 12.634, 20.706

■ 59, 18.167, 21.310

■ 61, 23.739, 21.918

Harmonies

Complementary

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



51, 20.630, 197.340



37, 28.466, 24.114

Rectangle

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



51, 20.630, 197.340



51, 20.630, 247.340



51, 20.630, 17.340



51, 20.630, 67.340

Sweetspot

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



51, 20.630, 197.338



68, 8.696, 198.717



50, 42.462, 140.572



36, 6.019, 198.620



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, 20.630, 197.338



65, 29.111, 197.008



42, 20.169, 261.603



28, 2.886, 199.008



49, 30.410, 196.379



1, 0.707, 199.418

Inverse Universe

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



37, 28.466, 24.114



45, 43.804, 26.286



45, 23.277, 68.137



26, 3.050, 19.875



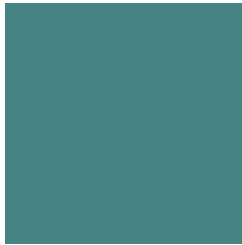
26, 62.117, 38.506



0, 0.707, 19.401

Previews

White Background



This preview shows how the CIE LCh color 51, 20.630, 197.340 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, 20.630, 197.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

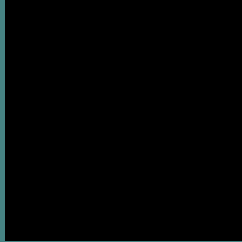
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 20.630, 197.340

Background



This preview shows how black text looks on a background with the CIELCh color 51, 20.630, 197.340.



This preview shows how white text looks on a background with the CIELCh color 51, 20.630, 197.340.

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, 20.630, 197.340

Protanopia

51, 3.038, 305.669

Deuteranopia

51, 9.890, 309.580



Tritanopia
51, 19.434, 215.269

Trichromacy



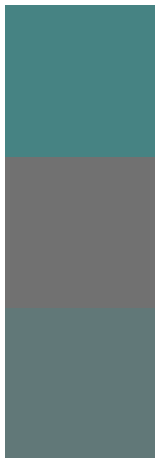
Original Color
51, 20.630, 197.340

Protanomaly
50, 8.096, 211.188

Deuteranomaly
51, 8.492, 242.550

Tritanomaly
51, 19.546, 209.726

Monochromacy



Original Color
51, 20.630, 197.340

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 8.800, 198.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 20.630, 197.340 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(70, 131, 131)` looks like.

```
.text, #text, p{  
    color:rgb(70, 131, 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(70, 131, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 131, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 20.630, 197.340 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(70, 131, 131) }
```

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

```
.border{ border-color:rgb(70, 131, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 131, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 131, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 131, 131);  
box-shadow:4px 4px 4px 4px rgb(70, 131,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 20.630, 197.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 131, 131) }
```

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

```
.background{ background-color: rgb(70, 131,  
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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