

Converting Colors

CIELCh(63, 23.978, 197.370)

Have a look what the booklet for
CIELCh(63, 23.978, 197.370)
contains.

CIELCh(63, 23.832, 197.379)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 23.832, 197.379)

Conversions

Conversions Part 1

Format	Color
Hex	5BA4A4
RGB	91, 164, 164
RGB Percent	36%, 64%, 64%
CMY	0.6420, 0.3557, 0.3557
CMYK	0.44, 0.00, 0.00, 0.36
HSL	180°, 29%, 50%
HSV	180°, 44%, 64%
XYZ	24.3995, 31.5869, 40.0718
YIQ	142.1730, -43.5080, -15.4760

Conversions

Conversions Part 2

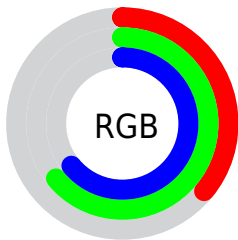
Format	Color
RYB	91, 128, 164
Decimal	6005924
CIELab	63.00, -22.74, -7.12
CIElCh	63, 23.832, 197.379
Yxy	31.5869, 0.2540, 0.3288
Android (android.graphics.Color)	4284196004 (0xFF5BA4A4)
YUV	142.1730, 10.7607, -44.8787
Hunter-Lab	56.2022, -20.8605, -2.9318

Details

The CIELCh color **63, 23.832, 197.379** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **47, 32.588, 23.916**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 23.675, 197.780**, and **43, 23.892, 196.749** is the 20% darker color. If you saturate the color by 10%, you get **62, 27.685, 197.057**, and if you desaturate by 10%, it is **64, 19.320, 197.757**.

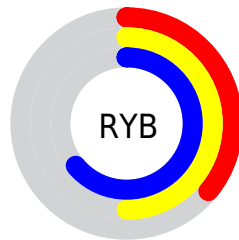
Distribution



Red (36%)

Green (64%)

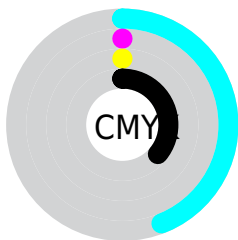
Blue (64%)



Red (36%)

Yellow (50%)

Blue (64%)

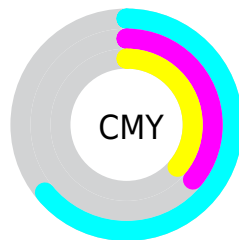


Cyan (44%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (64%)


Magenta (36%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 23.832, 197.379 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 63, 23.832, 197.379 by changing the saturation by 10% instead.


 63, 23.832,
197.379


 63, 23.832,
197.379


 100, 23.832,
197.379


 53, 23.832,
197.379


 83, 23.832,
197.379

 43, 23.832,
197.379

 93, 23.832,
197.379

 33, 23.832,
197.379

 23, 23.832,
197.379

 13, 23.832,
197.379

 3, 23.832, 197.379

 0, 23.832, 197.379

63, 23.832,
197.379

63, 23.832,
197.379

62, 27.685,
197.057

64, 19.320,
197.757

62, 30.814,
196.802

65, 14.235,
198.197

62, 33.183,
196.610

66, 8.673, 198.696

61, 34.798,
196.480

67, 2.729, 199.335

68, 3.504, 19.577

61, 35.715,
196.407

70, 9.946, 20.243

61, 36.068,
196.378

71, 16.527, 20.859

73, 23.190, 21.476

75, 29.890, 22.096

Harmonies

Complementary

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



63, 23.832, 197.379



47, 32.588, 23.916

Rectangle

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



63, 23.832, 197.379



63, 23.832, 247.379



63, 23.832, 17.379



63, 23.832, 67.379

Sweetspot

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



63, 23.832, 197.377



84, 9.728, 198.761



61, 48.851, 140.684



44, 6.755, 198.647



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



63, 23.832, 197.377



80, 33.538, 197.070



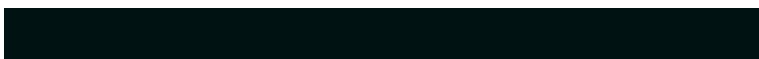
53, 23.198, 261.319



34, 3.428, 198.989



54, 32.968, 196.378



4, 5.463, 199.416

Inverse Universe

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



47, 32.588, 23.916



57, 49.566, 25.791



56, 26.668, 68.273



32, 3.629, 19.899



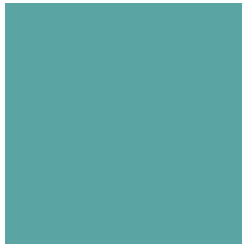
30, 68.061, 39.262



1, 5.464, 19.401

Previews

White Background



This preview shows how the CIELCh color 63, 23.832, 197.379 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 63, 23.832, 197.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

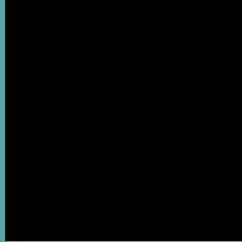
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 23.832, 197.379

Background



This preview shows how black text looks on a background with the CIELCh color 63, 23.832, 197.379.

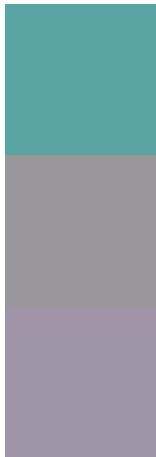


This preview shows how white text looks on a background with the CIELCh color 63, 23.832, 197.379.

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
63, 23.832, 197.379

Protanopia
63, 2.917, 305.630

Deuteranopia
63, 11.988, 311.294



Tritanopia
63, 22.488, 216.742

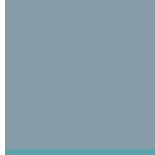
Trichromacy



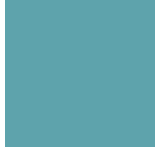
Original Color
63, 23.832, 197.379



Protanomaly
63, 9.223, 209.196



Deuteranomaly
62, 10.061, 245.556



Tritanomaly
63, 22.500, 210.663

Monochromacy



Original Color
63, 23.832, 197.379



Achromatopsia
59, 0.008, 296.813



Achromatomaly
60, 9.595, 198.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 23.832, 197.379 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(91, 164, 164)` looks like.

```
.text, #text, p{  
    color:rgb(91, 164, 164)  
}
```

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(91, 164, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 164, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 23.832, 197.379 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(91, 164, 164) }
```

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

```
.border{ border-color:rgb(91, 164, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 164, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 164, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 164, 164);  
box-shadow:4px 4px 4px 4px rgb(91, 164,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 23.832, 197.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 164, 164) }
```

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

```
.background{ background-color: rgb(91, 164,  
164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor