

Converting Colors

CIELCh(68, 24.087, 188.150)

Have a look what the booklet for
CIELCh(68, 24.087, 188.150)
contains.

CIELCh(68, 23.940, 188.116)	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(68, 23.940, 188.116)

Conversions

Conversions Part 1

Format	Color
Hex	6CB2AB
RGB	108, 178, 171
RGB Percent	42%, 70%, 67%
CMY	0.5764, 0.3019, 0.3294
CMYK	0.39, 0.00, 0.04, 0.30
HSL	174°, 31%, 56%
HSV	174°, 39%, 70%
XYZ	29.4577, 37.9720, 44.3077
YIQ	156.2720, -39.4730, -17.0170

Conversions

Conversions Part 2

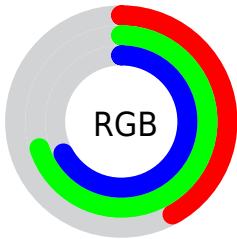
Format	Color
RYB	108, 145, 178
Decimal	7123627
CIELab	68.00, -23.70, -3.38
CIElCh	68, 23.940, 188.116
Yxy	37.9720, 0.2636, 0.3398
Android (android.graphics.Color)	4285313707 (0xFF6CB2AB)
YUV	156.2720, 7.2609, -42.3345
Hunter-Lab	61.6215, -22.5068, 0.5037

Details

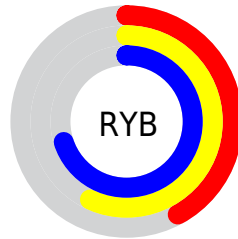
The CIELCh color **68, 23.940, 188.116** is a light color, and the websafe version is hex **669999**. A complement of this color would be **53, 29.841, 15.612**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 23.893, 187.686**, and **48, 23.940, 188.319** is the 20% darker color. If you saturate the color by 10%, you get **67, 28.803, 187.290**, and if you desaturate by 10%, it is **69, 18.476, 188.916**.

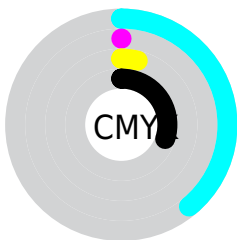
Distribution



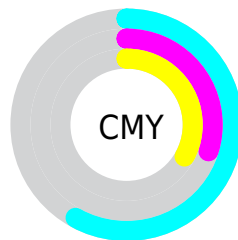
- Red (42%)
- Green (70%)
- Blue (67%)



- Red (42%)
- Yellow (57%)
- Blue (70%)



- Cyan (39%)
- Magenta (0%)
- Yellow (4%)
- Black (30%)





- Cyan (58%)
- Magenta (30%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 23.940, 188.116 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 68, 23.940, 188.116 by changing the saturation by 10% instead.


 68, 23.940,
188.116


 68, 23.940,
188.116


 100, 23.940,
188.116


 58, 23.940,
188.116


 88, 23.940,
188.116

 48, 23.940,
188.116

 98, 23.940,
188.116

 38, 23.940,
188.116

 28, 23.940,
188.116

 18, 23.940,
188.116

 8, 23.940, 188.116

 0, 23.940, 188.116

■ 68, 23.940,
188.116

■ 68, 23.940,
188.116

■ 67, 28.803,
187.290

■ 69, 18.476,
188.916

■ 67, 32.967,
186.433

■ 70, 12.516,
189.709

■ 66, 36.361,
185.529

■ 71, 6.171, 190.517

■ 66, 38.953,
184.559

■ 73, 0.457, 10.122

■ 74, 7.278, 11.879

■ 65, 40.762,
183.507

■ 76, 14.214, 12.653

■ 65, 41.947,
182.378

■ 78, 21.204, 13.396

■ 79, 28.198, 14.123

■ 65, 42.022,
182.303

■ 80, 30.010, 12.985

Harmonies

Complementary

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



68, 23.940, 188.116



53, 29.841, 15.612

Rectangle

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



68, 23.940, 188.116



68, 23.940, 238.116



68, 23.940, 8.116



68, 23.940, 58.116

Sweetspot

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



68, 23.940, 188.114



90, 9.796, 190.278



67, 44.988, 138.809



48, 6.533, 190.174



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 23.940, 188.114



86, 34.279, 187.416



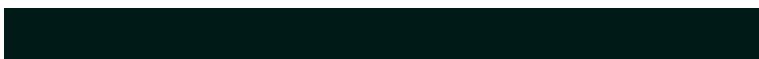
60, 20.170, 247.581



37, 3.756, 190.517



57, 37.535, 182.454



7, 9.390, 187.312

Inverse Universe

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



53, 29.841, 15.612



64, 45.089, 17.207



60, 24.487, 58.257



35, 3.938, 11.841



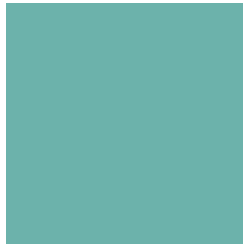
31, 67.191, 35.155



2, 9.227, 13.005

Previews

White Background



This preview shows how the CIE LCh color 68, 23.940, 188.116 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 68, 23.940, 188.116 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 68, 23.940, 188.116

Background



This preview shows how black text looks on a background with the CIELCh color 68, 23.940, 188.116.



This preview shows how white text looks on a background with the CIELCh color 68, 23.940, 188.116.

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
68, 23.940, 188.116

Protanopia
68, 1.615, 39.122

Deuteranopia
68, 10.264, 326.646



Tritanopia
68, 21.123, 219.537

Trichromacy



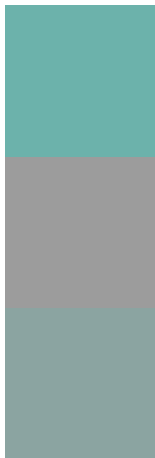
Original Color
68, 23.940, 188.116

Protanomaly
67, 8.649, 187.648

Deuteranomaly
67, 6.894, 233.212

Tritanomaly
68, 21.425, 206.696

Monochromacy



Original Color
68, 23.940, 188.116

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 9.388, 188.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 23.940, 188.116 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(108, 178, 171)` looks like.

```
.text, #text, p{  
    color:rgb(108, 178, 171)  
}
```

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(108, 178, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 178, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 23.940, 188.116 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(108, 178, 171) }
```

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

```
.border{ border-color:rgb(108, 178, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 178, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 178, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 178, 171);  
box-shadow:4px 4px 4px 4px rgb(108, 178,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 23.940, 188.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 178, 171) }
```

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

```
.background{ background-color: rgb(108,  
178, 171) }
```

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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