

Converting Colors

CIELCh(40, 23.179, 196.697)

Have a look what the booklet for
CIELCh(40, 23.179, 196.697)
contains.

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Color

CIELCh(40, 23.147, 196.695)

Conversions

Conversions Part 1

Format	Color
Hex	1D6868
RGB	29, 104, 104
RGB Percent	11%, 41%, 41%
CMY	0.8879, 0.5905, 0.5905
CMYK	0.73, 0.00, 0.00, 0.59
HSL	180°, 57%, 26%
HSV	180°, 73%, 41%
XYZ	8.0094, 11.2510, 14.9598
YIQ	81.5750, -44.7000, -15.9000

Conversions

Conversions Part 2

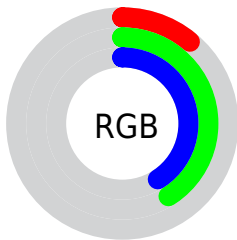
Format	Color
RYB	29, 67, 104
Decimal	1927272
CIELab	40.00, -22.17, -6.65
CIELCh	40, 23.147, 196.695
Yxy	11.2510, 0.2341, 0.3288
Android (android.graphics.Color)	4280117352 (0xFF1D6868)
YUV	81.5750, 11.0555, -46.1083
Hunter-Lab	33.5425, -16.0766, -2.9634

Details

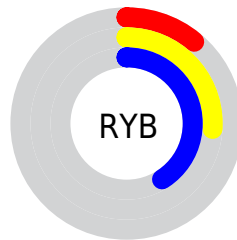
The CIELCh color **40, 23.147, 196.695** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 38.879, 29.913**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 23.148, 195.945**, and **21, 16.902, 198.767** is the 20% darker color. If you saturate the color by 10%, you get **40, 24.527, 196.539**, and if you desaturate by 10%, it is **40, 21.263, 196.906**.

Distribution



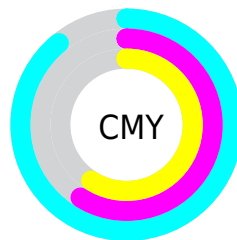
- Red (11%)
- Green (41%)
- Blue (41%)



- Red (11%)
- Yellow (26%)
- Blue (41%)



- Cyan (73%)
- Magenta (0%)
- Yellow (0%)
- Black (59%)





- Cyan (89%)
- Magenta (59%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 23.147, 196.695 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 40, 23.147, 196.695 by changing the saturation by 10% instead.


 40, 23.147,
196.695


 40, 23.147,
196.695


 100, 23.147,
196.695


 30, 23.147,
196.695

 60, 23.147,
196.695


 20, 23.147,
196.695

 70, 23.147,
196.695

 10, 23.147,
196.695

 80, 23.147,
196.695

 0, 23.147, 196.695

 90, 23.147,
196.695

 40, 23.147,

 40, 23.147,

196.695

196.695

■ 40, 24.527,
196.539

■ 40, 21.263,
196.906

■ 40, 25.433,
196.438

■ 41, 18.886,
197.177

■ 40, 26.002,
196.375

■ 41, 16.045,
197.506

■ 42, 12.790,
197.890

■ 42, 9.176, 198.327

■ 43, 5.265, 198.823

■ 44, 1.117, 199.570

■ 45, 3.212, 19.688

■ 46, 7.670, 20.306

Harmonies

Complementary

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



40, 23.147, 196.695



23, 38.879, 29.913

Rectangle

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



40, 23.147, 196.695



40, 23.147, 246.695



40, 23.147, 16.695



40, 23.147, 66.695

Sweetspot

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



40, 23.147, 196.694



54, 11.030, 198.327



38, 51.833, 138.055



28, 7.425, 198.240



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 23.147, 196.694



51, 30.286, 196.466



28, 25.445, 269.019



21, 2.318, 199.033



43, 27.799, 196.375



87, 48.209, 196.374

Inverse Universe

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



23, 38.879, 29.913



28, 57.728, 35.414



31, 31.649, 65.158



19, 2.443, 19.838



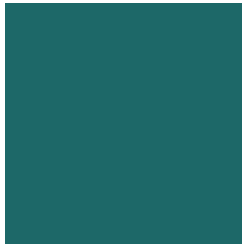
22, 55.894, 37.348



51, 100.588, 39.998

Previews

White Background



This preview shows how the CIELCh color 40, 23.147, 196.695 looks on a white 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

Black Background



This preview shows how the CIELCh color 40, 23.147, 196.695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

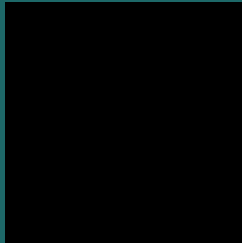
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 23.147, 196.695

Background



This preview shows how black text looks on a background with the CIELCh color 40, 23.147, 196.695.



This preview shows how white text looks on a background with the CIELCh color 40, 23.147, 196.695.

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


40, 22.990, 196.713

Protanopia

40, 3.090, 298.319

Deuteranopia

40, 10.111, 305.344



Tritanopia
40, 21.508, 212.026

Trichromacy



Original Color
40, 22.990, 196.713

Protanomaly
39, 10.410, 208.400

Deuteranomaly
39, 10.660, 233.748

Tritanomaly
40, 22.148, 204.896

Monochromacy



Original Color
40, 22.990, 196.713

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 10.525, 198.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 23.147, 196.695 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(29, 104, 104)` looks like.

```
.text, #text, p{  
    color:rgb(29, 104, 104)  
}
```

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(29, 104, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 104, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 23.147, 196.695 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(29, 104, 104) }
```

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

```
.border{ border-color:rgb(29, 104, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 104, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 104, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 104, 104);  
box-shadow:4px 4px 4px 4px rgb(29, 104,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 23.147, 196.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 104, 104) }
```

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

```
.background{ background-color: rgb(29, 104,  
104) }
```

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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