

Converting Colors

CIELCh(40, 32.591, 179.578)

Have a look what the booklet for
CIELCh(40, 32.591, 179.578)
contains.

CIELCh(40, 30.362, 178.293)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 30.362, 178.293)

Conversions

Conversions Part 1

Format	Color
Hex	006B5C
RGB	0, 107, 92
RGB Percent	0%, 42%, 36%
CMY	1.0000, 0.5808, 0.6394
CMYK	1.00, 0.00, 0.14, 0.58
HSL	172°, 100%, 21%
HSV	172°, 100%, 42%
XYZ	7.1460, 11.2510, 11.9094
YIQ	73.2970, -58.9570, -27.3490

Conversions

Conversions Part 2

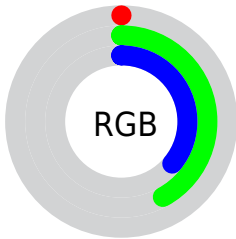
Format	Color
RYB	0, 58, 107
Decimal	27484
CIELab	40.00, -30.35, 0.90
CIELCh	40, 30.362, 178.293
Yxy	11.2510, 0.2358, 0.3712
Android (android.graphics.Color)	4278217564 (0xFF006B5C)
YUV	73.2970, 9.2206, -64.2815
Hunter-Lab	33.5425, -20.6708, 2.4286

Details

The CIELCh color **40, 30.362, 178.293** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **21, 49.454, 30.482**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 30.232, 178.107**, and **21, 21.670, 171.711** is the 20% darker color. If you saturate the color by 10%, you get **40, 30.172, 178.201**, and if you desaturate by 10%, it is **40, 28.894, 179.442**.

Distribution



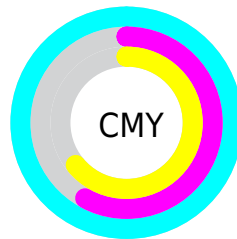
- Red (0%)
- Green (42%)
- Blue (36%)



- Red (0%)
- Yellow (23%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 30.362, 178.293 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, 30.362, 178.293 by changing the saturation by 10% instead.


 40, 30.362,
178.293


 40, 30.362,
178.293


 100, 30.362,
178.293


 30, 30.362,
178.293

 60, 30.362,
178.293


 20, 30.362,
178.293

 70, 30.362,
178.293


 10, 30.362,
178.293

 80, 30.362,
178.293

 0, 30.362, 178.293

 90, 30.362,
178.293

 40, 30.362,

 40, 30.362,

178.293

178.293

■ 40, 30.172,
178.201

■ 40, 28.894,
179.442

■ 40, 27.365,
180.666

■ 41, 25.342,
181.785

■ 41, 22.826,
182.817

■ 41, 19.847,
183.779

■ 42, 16.452,
184.687

■ 43, 12.705,
185.555

■ 43, 8.670, 186.396

Harmonies

Complementary

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



40, 30.362, 178.293



21, 49.454, 30.482

Rectangle

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



40, 30.362, 178.293



40, 30.362, 228.293



40, 30.362, 358.293



40, 30.362, 48.293

Sweetspot

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



40, 30.172, 178.201



55, 15.839, 185.483



39, 62.110, 134.751



28, 10.795, 185.209



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 30.172, 178.201



52, 36.828, 177.756



28, 27.308, 261.996



22, 2.488, 187.326



44, 32.283, 178.038



87, 56.086, 177.109

Inverse Universe

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



21, 49.454, 30.482



29, 61.215, 32.379



25, 46.562, 50.875



21, 2.588, 8.605



23, 53.256, 31.320



51, 94.686, 34.495

Previews

White Background



This preview shows how the CIELCh color 40, 30.362, 178.293 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, 30.362, 178.293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

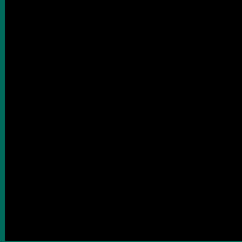
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 30.362, 178.293

Background



This preview shows how black text looks on a background with the CIELCh color 40, 30.362, 178.293.



This preview shows how white text looks on a background with the CIELCh color 40, 30.362, 178.293.

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, 30.203, 178.163

Protanopia

40, 5.728, 91.577

Deuteranopia

40, 5.650, 354.681



Tritanopia
40, 22.338, 209.707

Trichromacy



Original Color
40, 30.203, 178.163

Protanomaly
39, 16.131, 172.633

Deuteranomaly
39, 12.196, 189.138

Tritanomaly
40, 24.653, 196.546

Monochromacy



Original Color
40, 30.203, 178.163

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 15.274, 185.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 30.362, 178.293 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(0, 107, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 92)  
}
```

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(0, 107, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 30.362, 178.293 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(0, 107, 92) }
```

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

```
.border{ border-color:rgb(0, 107, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 30.362, 178.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 92) }
```

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

```
.background{ background-color: rgb(0, 107,  
92) }
```

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