

Converting Colors

CIELCh(40, 27.855, 182.814)

Have a look what the booklet for
CIELCh(40, 27.855, 182.814)
contains.

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Color

CIELCh(40, 27.697, 183.331)

Conversions

Conversions Part 1

Format	Color
Hex	0B6A60
RGB	11, 106, 96
RGB Percent	4%, 42%, 38%
CMY	0.9558, 0.5839, 0.6231
CMYK	0.89, 0.00, 0.09, 0.58
HSL	174°, 81%, 23%
HSV	174°, 89%, 42%
XYZ	7.4237, 11.2510, 12.8732
YIQ	76.4550, -53.4100, -23.2500

Conversions

Conversions Part 2

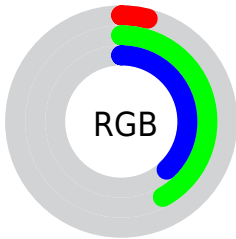
Format	Color
R_YB	11, 61, 106
Decimal	748128
CIE _{Lab}	40.00, -27.65, -1.61
CIE _{LCh}	40, 27.697, 183.331
Y _{xy}	11.2510, 0.2353, 0.3566
Android (android.graphics.Color)	4278938208 (0xFF0B6A60)
YUV	76.4550, 9.6357, -57.4040
Hunter-Lab	33.5425, -19.1934, 0.7249

Details

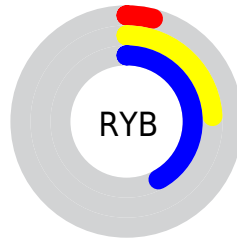
The CIELCh color **40, 27.697, 183.331** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **21, 45.640, 28.953**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 27.819, 182.726**, and **21, 19.616, 179.832** is the 20% darker color. If you saturate the color by 10%, you get **40, 28.820, 182.302**, and if you desaturate by 10%, it is **40, 26.293, 184.336**.

Distribution



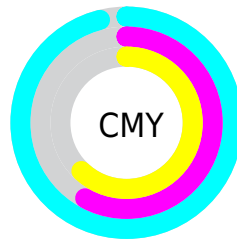
- Red (4%)
- Green (42%)
- Blue (38%)



- Red (4%)
- Yellow (24%)
- Blue (42%)



- Cyan (89%)
- Magenta (0%)
- Yellow (9%)
- Black (58%)





- Cyan (96%)
- Magenta (58%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 27.697, 183.331 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, 27.697, 183.331 by changing the saturation by 10% instead.

 40, 27.697,
183.331


 40, 27.697,
183.331


 100, 27.697,
183.331


 30, 27.697,
183.331

 60, 27.697,
183.331


 20, 27.697,
183.331

 70, 27.697,
183.331

 10, 27.697,
183.331

 80, 27.697,
183.331

 0, 27.697, 183.331

 90, 27.697,
183.331

 40, 27.697,

 40, 27.697,

183.331

■ 40, 28.820,
182.302

■ 40, 28.891,
182.240

183.331

■ 40, 26.293,
184.336

■ 40, 24.392,
185.268

■ 41, 21.995,
186.142

■ 41, 19.129,
186.971

■ 42, 15.842,
187.770

■ 42, 12.194,
188.547

■ 43, 8.248, 189.315

■ 44, 4.071, 190.099



Harmonies

Complementary

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



40, 27.697, 183.331



21, 45.640, 28.953

Rectangle

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



40, 27.697, 183.331



40, 27.697, 233.331



40, 27.697, 3.331



40, 27.697, 53.331

Sweetspot

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



40, 27.697, 183.330



55, 13.944, 188.673



39, 58.738, 135.573



27, 9.264, 188.491



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, 27.697, 183.330



51, 34.931, 181.889



28, 26.356, 262.672



22, 2.461, 190.132



44, 31.063, 182.096



87, 53.817, 181.340

Inverse Universe

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



21, 45.640, 28.953



28, 61.686, 34.382



27, 40.970, 54.467



21, 2.568, 11.328



23, 54.257, 33.215



51, 96.729, 36.354

Previews

White Background



This preview shows how the CIELCh color 40, 27.697, 183.331 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, 27.697, 183.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

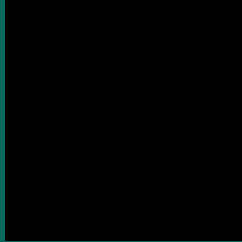
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 27.697, 183.331

Background



This preview shows how black text looks on a background with the CIELCh color 40, 27.697, 183.331.



This preview shows how white text looks on a background with the CIELCh color 40, 27.697, 183.331.

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, 27.697, 183.331

Protanopia

40, 3.288, 86.637

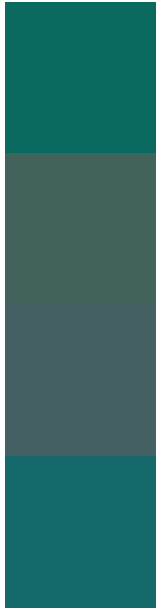
Deuteranopia

40, 6.443, 331.075



Tritanopia
40, 22.482, 209.609

Trichromacy



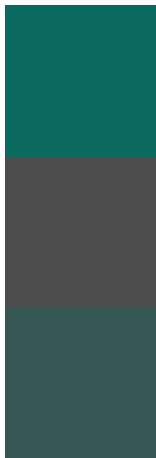
Original Color
40, 27.697, 183.331

Protanomaly
39, 13.127, 181.418

Deuteranomaly
39, 10.741, 204.701

Tritanomaly
40, 24.045, 198.096

Monochromacy



Original Color
40, 27.697, 183.331

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 13.797, 187.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 27.697, 183.331 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(11, 106, 96)` looks like.

```
.text, #text, p{  
    color:rgb(11, 106, 96)  
}
```

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(11, 106, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 106, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 27.697, 183.331 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(11, 106, 96) }
```

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

```
.border{ border-color:rgb(11, 106, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 106, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 106, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 106, 96);  
box-shadow:4px 4px 4px 4px rgb(11, 106,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 27.697, 183.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 106, 96) }
```

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

```
.background{ background-color: rgb(11, 106,  
96) }
```

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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