

Converting Colors

CIELCh(40, 18.961, 181.233)

Have a look what the booklet for
CIELCh(40, 18.961, 181.233)
contains.

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Color

CIELCh(40, 19.035, 180.245)

Conversions

Conversions Part 1

Format	Color
Hex	36675E
RGB	54, 103, 94
RGB Percent	21%, 40%, 37%
CMY	0.7889, 0.5967, 0.6320
CMYK	0.48, 0.00, 0.09, 0.60
HSL	169°, 31%, 31%
HSV	169°, 48%, 40%
XYZ	8.3581, 11.2510, 12.2814
YIQ	87.3230, -26.3150, -13.1870

Conversions

Conversions Part 2

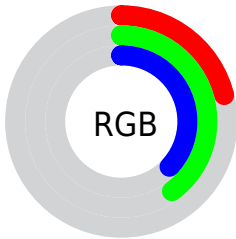
Format	Color
RYB	54, 81, 103
Decimal	3565406
CIELab	40.00, -19.03, -0.08
CIELCh	40, 19.035, 180.245
Yxy	11.2510, 0.2621, 0.3528
Android (android.graphics.Color)	4281755486 (0xFF36675E)
YUV	87.3230, 3.2918, -29.2243
Hunter-Lab	33.5425, -14.2208, 1.7710

Details

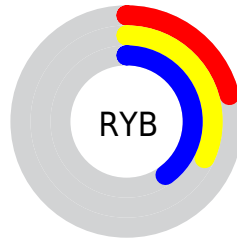
The CIELCh color **40, 19.035, 180.245** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 23.321, 10.338**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 18.993, 180.288**, and **20, 19.256, 179.415** is the 20% darker color. If you saturate the color by 10%, you get **40, 22.197, 179.175**, and if you desaturate by 10%, it is **41, 15.505, 181.239**.

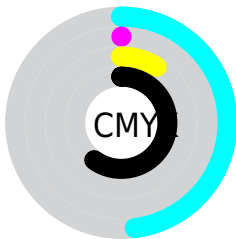
Distribution



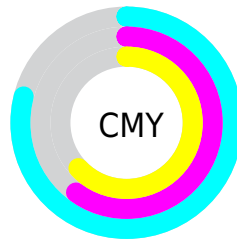
- Red (21%)
- Green (40%)
- Blue (37%)



- Red (21%)
- Yellow (32%)
- Blue (40%)



- Cyan (48%)
- Magenta (0%)
- Yellow (9%)
- Black (60%)





- Cyan (79%)
- Magenta (60%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 19.035, 180.245 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, 19.035, 180.245 by changing the saturation by 10% instead.


 40, 19.035,
180.245


 40, 19.035,
180.245


 100, 19.035,
180.245


 30, 19.035,
180.245

 60, 19.035,
180.245


 20, 19.035,
180.245

 70, 19.035,
180.245


 10, 19.035,
180.245

 80, 19.035,
180.245

 0, 19.035, 180.245

 90, 19.035,
180.245

 40, 19.035,

 40, 19.035,

180.245

■ 40, 22.197,
179.175

■ 39, 24.936,
178.018

■ 39, 27.217,
176.752

■ 39, 29.027,
175.358

■ 38, 30.515,
173.903

■ 38, 30.867,
173.580

180.245

■ 41, 15.505,
181.239

■ 41, 11.669,
182.179

■ 42, 7.592, 183.078

■ 43, 3.338, 183.977

■ 44, 1.038, 4.390

■ 45, 5.485, 5.423

■ 46, 9.965, 6.209

■ 47, 14.443, 6.957

■ 48, 18.895, 7.679

Harmonies

Complementary

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



40, 19.035, 180.245



29, 23.321, 10.338

Rectangle

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



40, 19.035, 180.245



40, 19.035, 230.245



40, 19.035, 0.245



40, 19.035, 50.245

Sweetspot

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



40, 19.035, 180.243



54, 7.459, 183.367



40, 33.726, 136.257



27, 5.095, 183.229



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 19.035, 180.243



51, 26.942, 179.072



36, 14.718, 236.954



21, 2.429, 183.859



43, 33.453, 173.344



86, 58.803, 172.210

Inverse Universe

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



29, 23.321, 10.338



35, 34.698, 12.642



33, 19.626, 49.203



19, 2.515, 5.199



23, 50.973, 28.125



51, 91.201, 31.635

Previews

White Background



This preview shows how the CIELCh color 40, 19.035, 180.245 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 CIE LCh color 40, 19.035, 180.245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

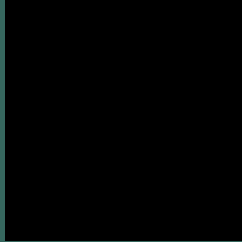
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 19.035, 180.245

Background



This preview shows how black text looks on a background with the CIELCh color 40, 19.035, 180.245.



This preview shows how white text looks on a background with the CIELCh color 40, 19.035, 180.245.

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, 19.035, 180.245

Protanopia

40, 2.967, 74.415

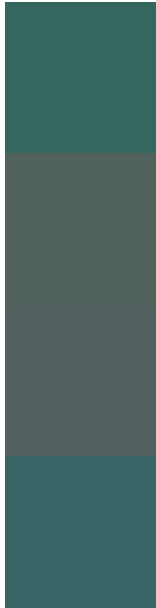
Deuteranopia

40, 5.565, 347.012



Tritanopia
40, 15.575, 216.142

Trichromacy



Original Color
40, 19.035, 180.245

Protanomaly
40, 7.588, 169.590

Deuteranomaly
39, 4.482, 198.894

Tritanomaly
40, 16.385, 199.607

Monochromacy



Original Color
40, 19.035, 180.245

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 7.798, 179.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 19.035, 180.245 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(54, 103, 94)` looks like.

```
.text, #text, p{  
    color:rgb(54, 103, 94)  
}
```

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(54, 103, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 103, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 19.035, 180.245 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(54, 103, 94) }
```

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

```
.border{ border-color:rgb(54, 103, 94) }
```

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

Here you see how a box with a 4 pixel rgb(54, 103, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 103, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 103, 94);  
box-shadow:4px 4px 4px 4px rgb(54, 103,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 19.035, 180.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 103, 94) }
```

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

```
.background{ background-color: rgb(54, 103,  
94) }
```

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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