

Converting Colors

CIELCh(40, 18.189, 193.987)

Have a look what the booklet for
CIELCh(40, 18.189, 193.987)
contains.

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Color

CIELCh(40, 18.380, 193.365)

Conversions

Conversions Part 1

Format	Color
Hex	336765
RGB	51, 103, 101
RGB Percent	20%, 40%, 40%
CMY	0.8015, 0.5976, 0.6054
CMYK	0.51, 0.00, 0.02, 0.60
HSL	178°, 34%, 30%
HSV	178°, 51%, 40%
XYZ	8.4888, 11.2510, 13.9398
YIQ	87.2240, -30.3500, -11.6460

Conversions

Conversions Part 2

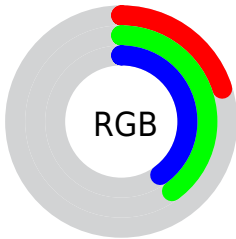
Format	Color
RYB	51, 78, 103
Decimal	3368805
CIELab	40.00, -17.88, -4.25
CIELCh	40, 18.380, 193.365
Yxy	11.2510, 0.2520, 0.3341
Android (android.graphics.Color)	4281558885 (0xFF336765)
YUV	87.2240, 6.7916, -31.7684
Hunter-Lab	33.5425, -13.5255, -1.1604

Details

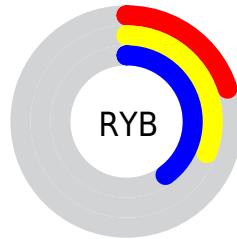
The CIELCh color **40, 18.380, 193.365** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 25.292, 21.857**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 18.222, 194.186**, and **20, 17.492, 191.779** is the 20% darker color. If you saturate the color by 10%, you get **40, 20.914, 192.855**, and if you desaturate by 10%, it is **40, 15.410, 193.891**.

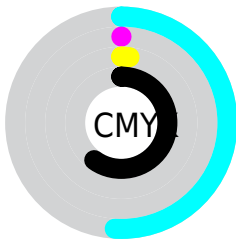
Distribution



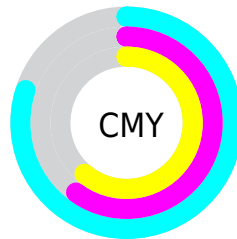
- Red (20%)
- Green (40%)
- Blue (40%)



- Red (20%)
- Yellow (31%)
- Blue (40%)



- Cyan (51%)
- Magenta (0%)
- Yellow (2%)
- Black (60%)





- Cyan (80%)
- Magenta (60%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 18.380, 193.365 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, 18.380, 193.365 by changing the saturation by 10% instead.

 40, 18.380,
193.365


 40, 18.380,
193.365


 100, 18.380,
193.365


 30, 18.380,
193.365

 60, 18.380,
193.365


 20, 18.380,
193.365

 70, 18.380,
193.365


 10, 18.380,
193.365

 80, 18.380,
193.365

 0, 18.380, 193.365

 90, 18.380,
193.365

 40, 18.380,

 40, 18.380,

193.365

■ 40, 20.914,
192.855

■ 39, 22.974,
192.364

■ 39, 24.540,
191.881

■ 39, 25.622,
191.400

■ 39, 26.441,
190.961

193.365

■ 40, 15.410,
193.891

■ 41, 12.056,
194.444

■ 42, 8.376, 195.023

■ 43, 4.434, 195.644

■ 43, 0.287, 197.342

■ 44, 4.010, 16.702

■ 45, 8.411, 17.370

■ 46, 12.877, 18.013

■ 48, 17.374, 18.651

Harmonies

Complementary

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



40, 18.380, 193.365



28, 25.292, 21.857

Rectangle

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



40, 18.380, 193.365



40, 18.380, 243.365



40, 18.380, 13.365



40, 18.380, 63.365

Sweetspot

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



40, 18.380, 193.363



54, 7.602, 195.342



39, 37.320, 139.591



27, 5.126, 195.251



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, 18.380, 193.363



51, 25.661, 192.755



32, 17.255, 258.345



21, 2.328, 195.764



43, 28.630, 190.893



87, 49.750, 190.570

Inverse Universe

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



28, 25.292, 21.857



33, 38.508, 24.508



34, 20.742, 64.403



19, 2.444, 16.727



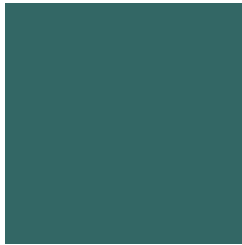
22, 54.922, 35.833



51, 99.088, 38.893

Previews

White Background



This preview shows how the CIELCh color 40, 18.380, 193.365 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, 18.380, 193.365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

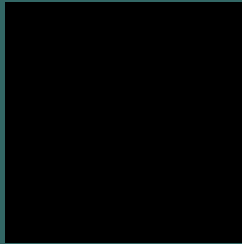
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 18.380, 193.365

Background



This preview shows how black text looks on a background with the CIELCh color 40, 18.380, 193.365.



This preview shows how white text looks on a background with the CIELCh color 40, 18.380, 193.365.

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, 18.380, 193.365

Protanopia

40, 1.492, 324.448

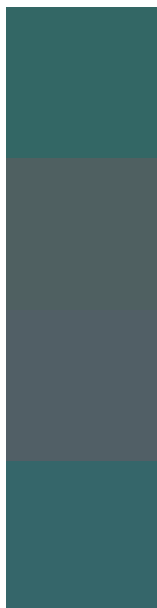
Deuteranopia

40, 8.065, 315.111



Tritanopia
40, 16.613, 214.847

Trichromacy



Original Color
40, 18.380, 193.365

Protanomaly
39, 6.785, 203.787

Deuteranomaly
39, 6.856, 237.663

Tritanomaly
40, 17.046, 205.740

Monochromacy



Original Color
40, 18.380, 193.365

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 7.665, 193.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 18.380, 193.365 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(51, 103, 101)` looks like.

```
.text, #text, p{  
    color:rgb(51, 103, 101)  
}
```

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(51, 103, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 103, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 18.380, 193.365 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(51, 103, 101) }
```

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

```
.border{ border-color:rgb(51, 103, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 103, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 103, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 103, 101);  
box-shadow:4px 4px 4px 4px rgb(51, 103,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 18.380, 193.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 103, 101) }
```

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

```
.background{ background-color: rgb(51, 103,  
101) }
```

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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