

Converting Colors

CIELCh(40, 17.889, 198.702)

Have a look what the booklet for
CIELCh(40, 17.889, 198.702)
contains.

CIELCh(40, 17.746, 199.285)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(40, 17.746, 199.285)

Conversions

Conversions Part 1

Format	Color
Hex	336667
RGB	51, 102, 103
RGB Percent	20%, 40%, 40%
CMY	0.7989, 0.5989, 0.5950
CMYK	0.50, 0.01, 0.00, 0.60
HSL	181°, 34%, 30%
HSV	181°, 50%, 40%
XYZ	8.6184, 11.2510, 14.6194
YIQ	86.8650, -30.7170, -10.5010

Conversions

Conversions Part 2

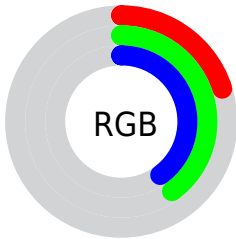
Format	Color
RYB	51, 77, 103
Decimal	3368551
CIELab	40.00, -16.75, -5.86
CIELCh	40, 17.746, 199.285
Yxy	11.2510, 0.2499, 0.3262
Android (android.graphics.Color)	4281558631 (0xFF336667)
YUV	86.8650, 7.9546, -31.4536
Hunter-Lab	33.5425, -12.8356, -2.3617

Details

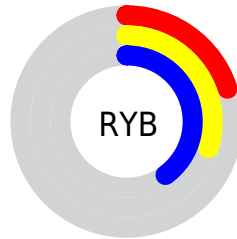
The CIELCh color **40, 17.746, 199.285** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 25.124, 25.810**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 17.673, 199.678**, and **20, 16.706, 198.802** is the 20% darker color. If you saturate the color by 10%, you get **40, 20.152, 199.120**, and if you desaturate by 10%, it is **41, 14.896, 199.522**.

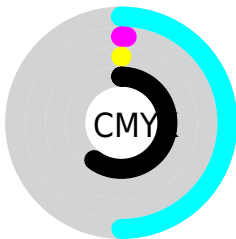
Distribution



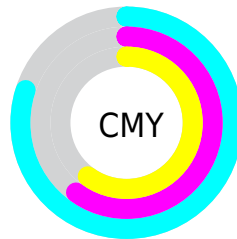
- Red (20%)
- Green (40%)
- Blue (40%)



- Red (20%)
- Yellow (30%)
- Blue (40%)



- Cyan (50%)
- Magenta (1%)
- Yellow (0%)
- Black (60%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 17.746, 199.285 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, 17.746, 199.285 by changing the saturation by 10% instead.


 40, 17.746,
199.285


 40, 17.746,
199.285

 100, 17.746,
199.285


 30, 17.746,
199.285

 60, 17.746,
199.285


 20, 17.746,
199.285


 70, 17.746,
199.285


 10, 17.746,
199.285

 80, 17.746,
199.285

 0, 17.746, 199.285

 90, 17.746,
199.285

 40, 17.746,

 40, 17.746,

199.285

■ 40, 20.152,
199.120

■ 39, 22.078,
199.038

■ 39, 23.508,
199.042

■ 39, 24.450,
199.133

■ 38, 25.143,
199.257

199.285

■ 41, 14.896,
199.522

■ 41, 11.653,
199.829

■ 42, 8.073, 200.202

■ 43, 4.217, 200.650

■ 44, 0.143, 203.413

■ 45, 4.097, 21.419

■ 46, 8.457, 21.970

■ 47, 12.896, 22.510

■ 48, 17.384, 23.055

Harmonies

Complementary

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



40, 17.746, 199.285



28, 25.124, 25.810

Rectangle

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



40, 17.746, 199.285



40, 17.746, 249.285



40, 17.746, 19.285



40, 17.746, 69.285

Sweetspot

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



40, 17.746, 199.283



55, 7.529, 200.410



39, 37.413, 141.073



28, 5.155, 200.343



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, 17.746, 199.283



51, 24.789, 199.103



32, 18.632, 265.988



21, 2.273, 200.725



43, 27.085, 199.292



86, 46.900, 199.475

Inverse Universe

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



30, 37.180, 327.474



37, 53.740, 327.948



35, 21.049, 71.164



20, 4.175, 325.392



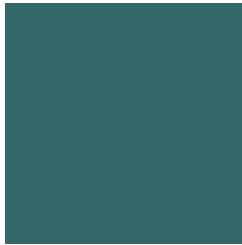
26, 63.185, 328.976



57, 109.480, 329.022

Previews

White Background



This preview shows how the CIELCh color 40, 17.746, 199.285 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, 17.746, 199.285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

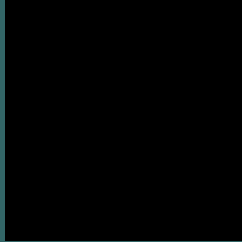
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 17.746, 199.285

Background



This preview shows how black text looks on a background with the CIELCh color 40, 17.746, 199.285.



This preview shows how white text looks on a background with the CIELCh color 40, 17.746, 199.285.

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, 17.746, 199.285

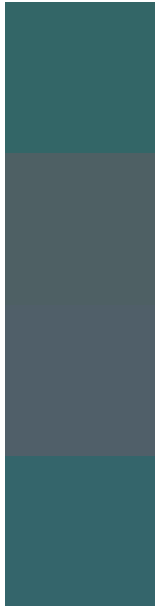
Protanopia
40, 3.090, 298.319

Deuteranopia
40, 9.521, 306.185



Tritanopia
40, 16.865, 214.557

Trichromacy



Original Color
40, 17.746, 199.285

Protanomaly
39, 7.397, 218.001

Deuteranomaly
39, 8.275, 246.770

Tritanomaly
40, 17.032, 210.020

Monochromacy



Original Color
40, 17.746, 199.285

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 7.589, 198.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 17.746, 199.285 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, 102, 103)` looks like.

```
.text, #text, p{  
    color:rgb(51, 102, 103)  
}
```

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, 102, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 102, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 17.746, 199.285 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, 102, 103) }
```

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

```
.border{ border-color:rgb(51, 102, 103) }
```

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

Here you see how a box with a 4 pixel rgb(51, 102, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 102, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 102, 103);  
box-shadow:4px 4px 4px 4px rgb(51, 102,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 17.746, 199.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 102, 103) }
```

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

```
.background{ background-color: rgb(51, 102,  
103) }
```

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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