

Converting Colors

CIELCh(40, 12.319, 191.825)

Have a look what the booklet for
CIELCh(40, 12.319, 191.825)
contains.

CIELCh(40, 12.353, 192.182)	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, 12.353, 192.182)

Conversions

Conversions Part 1

Format	Color
Hex	446462
RGB	68, 100, 98
RGB Percent	27%, 39%, 38%
CMY	0.7329, 0.6074, 0.6153
CMYK	0.32, 0.00, 0.02, 0.61
HSL	176°, 19%, 33%
HSV	176°, 32%, 39%
XYZ	9.1678, 11.2510, 13.2696
YIQ	90.2040, -18.4300, -7.4060

Conversions

Conversions Part 2

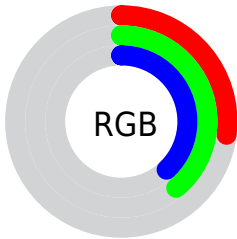
Format	Color
R_{YB}	68, 85, 100
Decimal	4482146
CIE _{Lab}	40.00, -12.07, -2.61
CIE _{LCh}	40, 12.353, 192.182
Yxy	11.2510, 0.2721, 0.3340
Android (android.graphics.Color)	4282672226 (0xFF446462)
YUV	90.2040, 3.8434, -19.4729
Hunter-Lab	33.5425, -9.9118, 0.0242

Details

The CIELCh color $40, 12.353, 192.182$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $32, 14.786, 17.109$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 12.490, 193.055$, and $20, 12.097, 193.885$ is the 20% darker color. If you saturate the color by 10%, you get $39, 15.650, 191.541$, and if you desaturate by 10%, it is $41, 8.742, 192.828$.

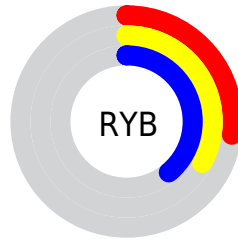
Distribution



 Red (27%)

 Green (39%)

 Blue (38%)



 Red (27%)

 Yellow (33%)

 Blue (39%)

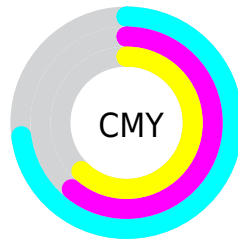


 Cyan (32%)

 Magenta (0%)

 Yellow (2%)

 Black (61%)



 Cyan (73%)


 Magenta (61%)


 Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 12.353, 192.182 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, 12.353, 192.182 by changing the saturation by 10% instead.


 40, 12.353,
192.182


 40, 12.353,
192.182


 100, 12.353,
192.182


 30, 12.353,
192.182

 60, 12.353,
192.182


 20, 12.353,
192.182

 70, 12.353,
192.182


 10, 12.353,
192.182

 80, 12.353,
192.182

 0, 12.353, 192.182

 90, 12.353,
192.182

 40, 12.353,

 40, 12.353,

192.182

■ 39, 15.650,
191.541

■ 39, 18.574,
190.908

■ 39, 21.074,
190.275

■ 38, 23.113,
189.633

■ 38, 24.672,
188.972

■ 38, 25.770,
188.282

■ 38, 26.544,
187.740

192.182

■ 41, 8.742, 192.828

■ 41, 4.878, 193.502

■ 42, 0.817, 194.487

■ 43, 3.387, 14.644

■ 44, 7.687, 15.355

■ 45, 12.046, 16.028

■ 46, 16.431, 16.690

■ 48, 20.818, 17.344

■ 49, 25.188, 17.988

Harmonies

Complementary

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



40, 12.353, 192.182



32, 14.786, 17.109

Rectangle

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



40, 12.353, 192.182



40, 12.353, 242.182



40, 12.353, 12.182



40, 12.353, 62.182

Sweetspot

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



40, 12.353, 192.179



53, 5.070, 193.622



39, 23.291, 140.753



27, 3.479, 193.550



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, 12.353, 192.179



51, 17.762, 191.723



36, 10.793, 252.261



21, 2.338, 193.721



43, 29.263, 187.609



87, 50.933, 187.105

Inverse Universe

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



32, 14.786, 17.109



40, 22.246, 18.084



36, 12.143, 64.566



19, 2.449, 14.770



22, 54.329, 34.850



51, 98.121, 38.143

Previews

White Background



This preview shows how the CIELCh color 40, 12.353, 192.182 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, 12.353, 192.182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

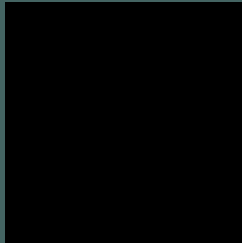
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 12.353, 192.182

Background



This preview shows how black text looks on a background with the CIELCh color 40, 12.353, 192.182.



This preview shows how white text looks on a background with the CIELCh color 40, 12.353, 192.182.

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, 12.353, 192.182

Protanopia

40, 1.047, 343.584

Deuteranopia

40, 6.671, 324.879



Tritanopia
40, 11.606, 223.262

Trichromacy



Original Color
40, 12.353, 192.182

Protanomaly
40, 4.547, 191.155

Deuteranomaly
40, 3.860, 251.695

Tritanomaly
40, 11.508, 213.596

Monochromacy



Original Color
40, 12.353, 192.182

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 4.956, 191.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 12.353, 192.182 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(68, 100, 98)` looks like.

```
.text, #text, p{  
    color:rgb(68, 100, 98)  
}
```

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(68, 100, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 100, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 12.353, 192.182 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(68, 100, 98) }
```

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

```
.border{ border-color:rgb(68, 100, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 100, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 100, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 100, 98);  
box-shadow:4px 4px 4px 4px rgb(68, 100,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 12.353, 192.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 100, 98) }
```

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

```
.background{ background-color: rgb(68, 100,  
98) }
```

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