

Converting Colors

CIELCh(40, 9.848, 161.461)

Have a look what the booklet for
CIELCh(40, 9.848, 161.461) contains.

CIELCh(40, 10.012, 160.750)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 10.012, 160.750)

Conversions

Conversions Part 1

Format	Color
Hex	506359
RGB	80, 99, 89
RGB Percent	31%, 39%, 35%
CMY	0.6878, 0.6133, 0.6525
CMYK	0.19, 0.00, 0.10, 0.61
HSL	148°, 11%, 35%
HSV	148°, 19%, 39%
XYZ	9.4860, 11.2510, 11.0364
YIQ	92.1790, -8.1140, -7.1380

Conversions

Conversions Part 2

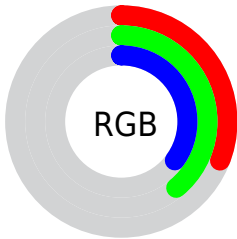
Format	Color
RYB	80, 93, 99
Decimal	5268313
CIELab	40.00, -9.45, 3.30
CIElCh	40, 10.012, 160.750
Yxy	11.2510, 0.2986, 0.3541
Android (android.graphics.Color)	4283458393 (0xFF506359)
YUV	92.1790, -1.5672, -10.6810
Hunter-Lab	33.5425, -8.2186, 3.9716

Details

The CIELCh color **40, 10.012, 160.750** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **36, 10.214, 343.766**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 10.256, 161.278**, and **20, 9.516, 162.713** is the 20% darker color. If you saturate the color by 10%, you get **39, 15.157, 159.812**, and if you desaturate by 10%, it is **41, 4.813, 161.608**.

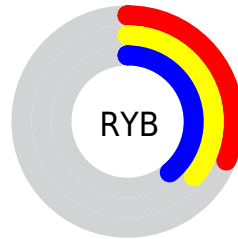
Distribution



Red (31%)

Green (39%)

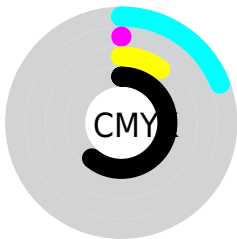
Blue (35%)



Red (31%)

Yellow (36%)

Blue (39%)

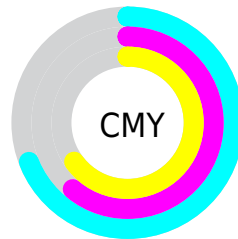


Cyan (19%)

Magenta (0%)

Yellow (10%)

Black (61%)



Cyan (69%)


Magenta (61%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 10.012, 160.750 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, 10.012, 160.750 by changing the saturation by 10% instead.


 40, 10.012,
160.750


 40, 10.012,
160.750


 100, 10.012,
160.750


 30, 10.012,
160.750

 60, 10.012,
160.750


 20, 10.012,
160.750

 70, 10.012,
160.750


 10, 10.012,
160.750

 80, 10.012,
160.750

 0, 10.012, 160.750

 90, 10.012,
160.750

 40, 10.012,

 40, 10.012,

160.750

160.750

■ 39, 15.157,
159.812

■ 41, 4.813, 161.608

■ 38, 20.177,
158.771

■ 42, 0.388, 341.705

■ 43, 5.545, 342.963

■ 38, 25.000,
157.602

■ 44, 10.624,
343.618

■ 37, 29.547,
156.286

■ 45, 15.600,
344.211

■ 37, 33.743,
154.803

■ 47, 20.457,
344.760

■ 37, 37.528,
153.138

■ 48, 25.185,
345.272

■ 36, 40.867,
151.290

■ 49, 29.778,
345.752

■ 36, 43.947,
149.483

■ 51, 34.236,

■ 36, 44.174,
149.361

346.204

Harmonies

Complementary

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



40, 10.012, 160.750



36, 10.214, 343.766

Rectangle

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



40, 10.012, 160.750



40, 10.012, 210.750



40, 10.012, 340.750



40, 10.012, 30.750

Sweetspot

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



40, 10.013, 160.748



53, 3.849, 161.874



41, 12.111, 127.064



27, 2.531, 161.841



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



40, 10.013, 160.748



51, 14.756, 160.347



40, 7.571, 195.557



20, 2.873, 161.642



41, 48.773, 148.979



84, 88.010, 147.458

Inverse Universe

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



36, 10.214, 343.766



45, 15.117, 344.160



36, 8.449, 18.011



18, 2.903, 342.882



23, 46.766, 357.616



52, 81.151, 0.255

Previews

White Background



This preview shows how the CIE LCh color 40, 10.012, 160.750 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, 10.012, 160.750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

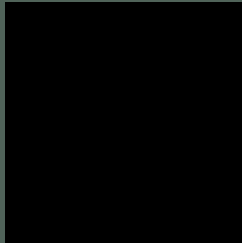
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 10.012, 160.750

Background



This preview shows how black text looks on a background with the CIELCh color 40, 10.012, 160.750.



This preview shows how white text looks on a background with the CIELCh color 40, 10.012, 160.750.

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, 10.012, 160.750

Protanopia

40, 5.150, 89.678

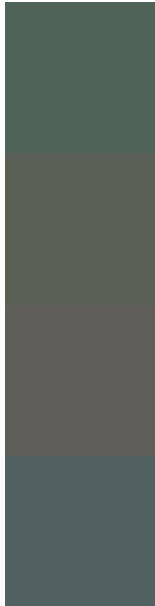
Deuteranopia

40, 6.096, 25.861



Tritanopia
40, 7.208, 241.714

Trichromacy



Original Color
40, 10.012, 160.750

Protanomaly
40, 5.882, 130.628

Deuteranomaly
40, 3.147, 93.894

Tritanomaly
40, 6.398, 204.146

Monochromacy



Original Color
40, 10.012, 160.750

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 3.471, 167.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 10.012, 160.750 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(80, 99, 89)` looks like.

```
.text, #text, p{  
    color:rgb(80, 99, 89)  
}
```

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(80, 99, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 99, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 10.012, 160.750 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(80, 99, 89) }
```

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

```
.border{ border-color:rgb(80, 99, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 99, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 99, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 99, 89);  
box-shadow:4px 4px 4px 4px rgb(80, 99, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 10.012, 160.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 99, 89) }
```

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

```
.background{ background-color: rgb(80, 99,  
89) }
```

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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