

Converting Colors

CIELCh(40, 16.419, 170.368)

Have a look what the booklet for
CIELCh(40, 16.419, 170.368)
contains.

CIELCh(40, 16.740, 169.080)	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, 16.740, 169.080)

Conversions

Conversions Part 1

Format	Color
Hex	416659
RGB	65, 102, 89
RGB Percent	25%, 40%, 35%
CMY	0.7466, 0.6015, 0.6525
CMYK	0.36, 0.00, 0.13, 0.60
HSL	159°, 22%, 33%
HSV	159°, 36%, 40%
XYZ	8.6545, 11.2510, 11.0825
YIQ	89.4550, -17.8790, -11.8870

Conversions

Conversions Part 2

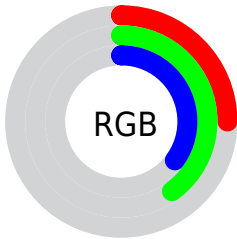
Format	Color
R_{YB}	65, 87, 102
Decimal	4286041
CIE _{Lab}	40.00, -16.44, 3.17
CIE _{LCh}	40, 16.740, 169.080
Yxy	11.2510, 0.2793, 0.3631
Android (android.graphics.Color)	4282476121 (0xFF416659)
YUV	89.4550, -0.2243, -21.4470
Hunter-Lab	33.5425, -12.6434, 3.8901

Details

The CIELCh color $40, 16.740, 169.080$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $32, 18.190, 356.306$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 16.714, 169.615$, and $20, 16.728, 169.740$ is the 20% darker color. If you saturate the color by 10%, you get $39, 20.945, 167.921$, and if you desaturate by 10%, it is $41, 12.308, 170.136$.

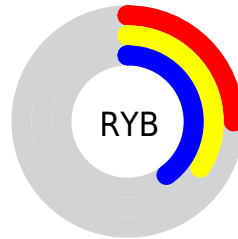
Distribution



Red (25%)

Green (40%)

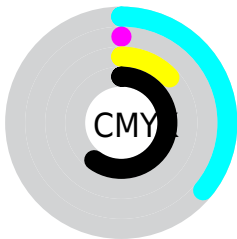
Blue (35%)



Red (25%)

Yellow (34%)

Blue (40%)

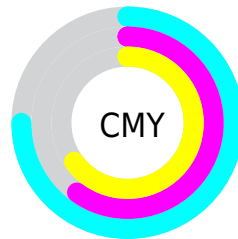


Cyan (36%)

Magenta (0%)

Yellow (13%)

Black (60%)



Cyan (75%)


Magenta (60%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 16.740, 169.080 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, 16.740, 169.080 by changing the saturation by 10% instead.


 40, 16.740,
169.080


 40, 16.740,
169.080


 100, 16.740,
169.080


 30, 16.740,
169.080

 60, 16.740,
169.080


 20, 16.740,
169.080


 70, 16.740,
169.080


 10, 16.740,
169.080

 80, 16.740,
169.080

 0, 16.740, 169.080

 90, 16.740,
169.080

 40, 16.740,

 40, 16.740,

169.080

169.080

■ 39, 20.945,
167.921

■ 41, 12.308,
170.136

■ 39, 24.852,
166.643

■ 42, 7.716, 171.115

■ 38, 28.397,
165.223

■ 42, 3.026, 172.064

■ 43, 1.708, 352.639

■ 38, 31.528,
163.641

■ 44, 6.441, 353.541

■ 38, 34.220,
161.881

■ 46, 11.139,
354.297

■ 38, 36.569,
160.024

■ 47, 15.775,
355.003

■ 38, 37.412,
159.406

■ 48, 20.330,
355.672

■ 49, 24.792,
356.310

Harmonies

Complementary

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



40, 16.740, 169.080



32, 18.190, 356.306

Rectangle

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



40, 16.740, 169.080



40, 16.740, 219.080



40, 16.740, 349.080



40, 16.740, 39.080

Sweetspot

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



40, 16.741, 169.078



54, 6.458, 171.593



40, 24.437, 131.996



27, 4.302, 171.509



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, 16.741, 169.078



51, 24.774, 168.056



39, 12.168, 212.503



21, 2.659, 171.819



42, 41.013, 159.064



85, 72.926, 157.608

Inverse Universe

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



32, 18.190, 356.306



39, 27.468, 357.597



33, 15.580, 33.051



19, 2.714, 353.224



23, 47.261, 13.801



51, 82.922, 17.406

Previews

White Background



This preview shows how the CIELCh color 40, 16.740, 169.080 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, 16.740, 169.080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

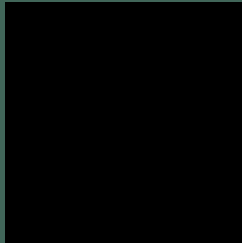
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 16.740, 169.080

Background



This preview shows how black text looks on a background with the CIELCh color 40, 16.740, 169.080.



This preview shows how white text looks on a background with the CIELCh color 40, 16.740, 169.080.

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, 16.740, 169.080

Protanopia

40, 6.310, 93.109

Deuteranopia

40, 5.602, 20.114



Tritanopia
40, 11.903, 222.566

Trichromacy



Original Color
40, 16.740, 169.080

Protanomaly
40, 8.195, 143.833

Deuteranomaly
40, 3.722, 144.205

Tritanomaly
40, 12.475, 197.889

Monochromacy



Original Color
40, 16.740, 169.080

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 6.603, 170.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 16.740, 169.080 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(65, 102, 89)` looks like.

```
.text, #text, p{  
    color:rgb(65, 102, 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(65, 102, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 102, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 16.740, 169.080 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(65, 102, 89) }
```

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

```
.border{ border-color:rgb(65, 102, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 102, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 102, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 102, 89);  
box-shadow:4px 4px 4px 4px rgb(65, 102,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 16.740, 169.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 102, 89) }
```

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

```
.background{ background-color: rgb(65, 102,  
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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