

Converting Colors

CIELCh(40, 18.109, 156.866)

Have a look what the booklet for
CIELCh(40, 18.109, 156.866)
contains.

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Color

CIELCh(40, 17.912, 157.072)

Conversions

Conversions Part 1

Format	Color
Hex	446552
RGB	68, 101, 82
RGB Percent	27%, 40%, 32%
CMY	0.7317, 0.6022, 0.6768
CMYK	0.33, 0.00, 0.19, 0.60
HSL	145°, 19%, 33%
HSV	145°, 33%, 40%
XYZ	8.6476, 11.2510, 9.7816
YIQ	88.9670, -13.5690, -12.9050

Conversions

Conversions Part 2

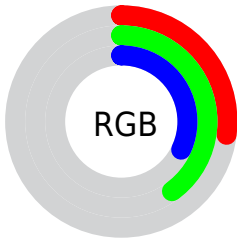
Format	Color
RYB	68, 91, 101
Decimal	4482386
CIELab	40.00, -16.50, 6.98
CIELCh	40, 17.912, 157.072
Yxy	11.2510, 0.2914, 0.3791
Android (android.graphics.Color)	4282672466 (0xFF446552)
YUV	88.9670, -3.4347, -18.3881
Hunter-Lab	33.5425, -12.6802, 6.1896

Details

The CIELCh color $40, 17.912, 157.072$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $33, 18.361, 342.362$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 18.049, 156.782$, and $20, 18.164, 156.788$ is the 20% darker color. If you saturate the color by 10%, you get $39, 23.226, 156.007$, and if you desaturate by 10%, it is $41, 12.457, 158.018$.

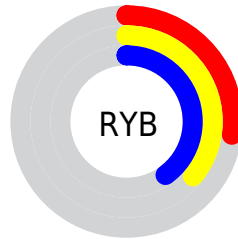
Distribution



Red (27%)

Green (40%)

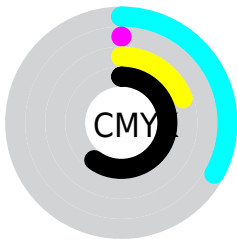
Blue (32%)



Red (27%)

Yellow (36%)

Blue (40%)

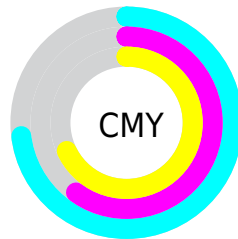


Cyan (33%)

Magenta (0%)

Yellow (19%)

Black (60%)



Cyan (73%)


Magenta (60%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 17.912, 157.072 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, 17.912, 157.072 by changing the saturation by 10% instead.


 40, 17.912,
157.072


 40, 17.912,
157.072


 100, 17.912,
157.072


 30, 17.912,
157.072

 60, 17.912,
157.072


 20, 17.912,
157.072

 70, 17.912,
157.072


 10, 17.912,
157.072

 80, 17.912,
157.072

 0, 17.912, 157.072

 90, 17.912,
157.072

 40, 17.912,

 40, 17.912,

157.072

157.072

■ 39, 23.226,
156.007

■ 41, 12.457,
158.018

■ 39, 28.312,
154.803

■ 42, 6.932, 158.872

■ 38, 33.088,
153.442

■ 43, 1.401, 159.757

■ 44, 4.085, 340.214

■ 38, 37.473,
151.906

■ 45, 9.488, 340.865

■ 37, 41.407,
150.188

■ 46, 14.780,
341.439

■ 37, 44.867,
148.309

■ 47, 19.943,
341.965

■ 37, 47.316,
147.021

■ 49, 24.964,
342.450

■ 50, 29.839,
342.901

Harmonies

Complementary

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



40, 17.912, 157.072



33, 18.361, 342.362

Rectangle

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



40, 17.912, 157.072



40, 17.912, 207.072



40, 17.912, 337.072



40, 17.912, 27.072

Sweetspot

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



40, 17.913, 157.071



54, 6.879, 159.056



41, 20.650, 124.589



27, 4.657, 158.977



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, 17.913, 157.071



51, 26.593, 156.274



40, 12.788, 190.272



21, 3.112, 159.168



42, 52.020, 146.670



84, 93.066, 145.230

Inverse Universe

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



33, 18.361, 342.362



41, 27.371, 343.098



33, 15.235, 15.590



20, 3.138, 340.371



24, 48.336, 353.459



53, 83.010, 355.639

Previews

White Background



This preview shows how the CIELCh color 40, 17.912, 157.072 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, 17.912, 157.072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

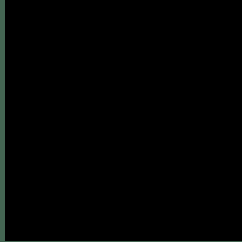
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 17.912, 157.072

Background



This preview shows how black text looks on a background with the CIELCh color 40, 17.912, 157.072.



This preview shows how white text looks on a background with the CIELCh color 40, 17.912, 157.072.

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, 17.912, 157.072

Protanopia

40, 9.362, 94.964

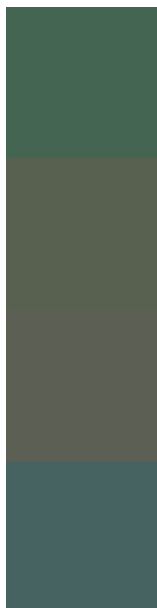
Deuteranopia

40, 7.585, 48.704



Tritanopia
40, 10.415, 226.520

Trichromacy



Original Color
40, 17.912, 157.072

Protanomaly
40, 11.037, 129.372

Deuteranomaly
40, 6.811, 120.135

Tritanomaly
40, 10.988, 191.630

Monochromacy



Original Color
40, 17.912, 157.072

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 6.658, 158.517

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 17.912, 157.072 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, 101, 82)` looks like.

```
.text, #text, p{  
    color:rgb(68, 101, 82)  
}
```

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, 101, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 101, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 17.912, 157.072 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, 101, 82) }
```

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

```
.border{ border-color:rgb(68, 101, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 101, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 101, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 101, 82);  
box-shadow:4px 4px 4px 4px rgb(68, 101,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 17.912, 157.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 101, 82) }
```

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

```
.background{ background-color: rgb(68, 101,  
82) }
```

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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