

Converting Colors

CIELCh(40, 17.441, 240.124)

Have a look what the booklet for
CIELCh(40, 17.441, 240.124)
contains.

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Color

CIELCh(40, 17.444, 240.205)

Conversions

Conversions Part 1

Format	Color
Hex	3B6377
RGB	59, 99, 119
RGB Percent	23%, 39%, 47%
CMY	0.7706, 0.6098, 0.5353
CMYK	0.51, 0.16, 0.00, 0.54
HSL	199°, 34%, 35%
HSV	199°, 51%, 46%
XYZ	9.5826, 11.2510, 18.9631
YIQ	89.3200, -30.2600, -2.2600

Conversions

Conversions Part 2

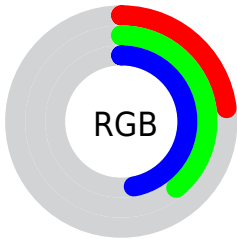
Format	Color
RYB	59, 83, 119
Decimal	3892087
CIELab	40.00, -8.67, -15.14
CIElCh	40, 17.444, 240.205
Yxy	11.2510, 0.2408, 0.2827
Android (android.graphics.Color)	4282082167 (0xFF3B6377)
YUV	89.3200, 14.6322, -26.5906
Hunter-Lab	33.5425, -7.7047, -10.0397

Details

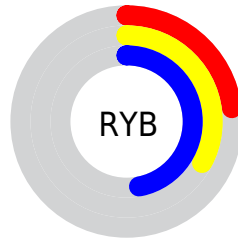
The CIELCh color **40, 17.444, 240.205** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 23.626, 50.776**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 17.502, 241.496**, and **20, 17.605, 242.251** is the 20% darker color. If you saturate the color by 10%, you get **38, 20.119, 242.564**, and if you desaturate by 10%, it is **42, 14.468, 238.294**.

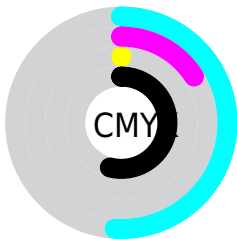
Distribution



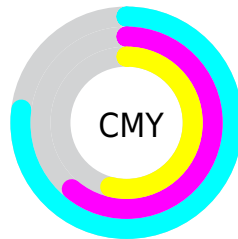
- Red (23%)
- Green (39%)
- Blue (47%)



- Red (23%)
- Yellow (33%)
- Blue (47%)



- Cyan (51%)
- Magenta (16%)
- Yellow (0%)
- Black (54%)





- Cyan (77%)
- Magenta (61%)
- Yellow (54%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 17.444, 240.205 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, 17.444, 240.205 by changing the saturation by 10% instead.


 40, 17.444,
240.205


 40, 17.444,
240.205


 100, 17.444,
240.205


 30, 17.444,
240.205

 60, 17.444,
240.205


 20, 17.444,
240.205

 70, 17.444,
240.205


 10, 17.444,
240.205

 80, 17.444,
240.205

 0, 17.444, 240.205

 90, 17.444,
240.205

 40, 17.444,

 40, 17.444,

240.205

■ 38, 20.119,
242.564

■ 37, 22.480,
245.454

■ 35, 24.543,
248.936

■ 34, 26.354,
253.036

■ 32, 28.011,
257.027

240.205

■ 42, 14.468,
238.294

■ 44, 11.223,
236.760

■ 46, 7.745, 235.536

■ 48, 4.074, 234.582

■ 50, 0.247, 235.070

■ 52, 3.700, 52.968

■ 54, 7.740, 52.499

■ 56, 11.846, 52.096

■ 58, 15.999, 51.764

Harmonies

Complementary

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



40, 17.444, 240.205



37, 23.626, 50.776

Rectangle

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



40, 17.444, 240.205



40, 17.444, 290.205



40, 17.444, 60.205



40, 17.444, 110.205

Sweetspot

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



40, 17.443, 240.204



59, 7.022, 235.001



45, 33.881, 150.419



30, 4.746, 235.160



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



40, 17.443, 240.204



49, 24.767, 243.061



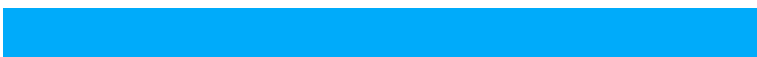
31, 31.244, 289.257



24, 2.146, 234.457



33, 28.716, 257.217



66, 50.092, 260.262

Inverse Universe

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



34, 34.249, 338.821



40, 49.382, 339.989



45, 28.982, 95.736



23, 3.809, 335.536



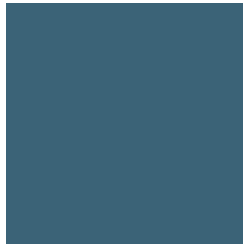
26, 53.419, 345.325



55, 89.629, 346.606

Previews

White Background



This preview shows how the CIE LCh color 40, 17.444, 240.205 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, 17.444, 240.205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

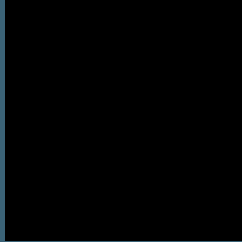
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 17.444, 240.205

Background



This preview shows how black text looks on a background with the CIELCh color 40, 17.444, 240.205.

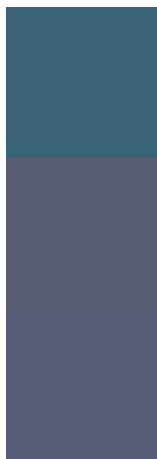


This preview shows how white text looks on a background with the CIELCh color 40, 17.444, 240.205.

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, 17.581, 242.582

Protanopia

40, 12.870, 285.355

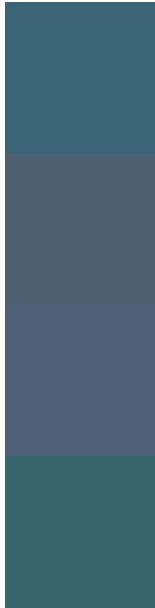
Deuteranopia

40, 17.109, 289.054



Tritanopia
40, 16.359, 215.150

Trichromacy



Original Color
40, 17.581, 242.582

Protanomaly
40, 14.010, 265.918

Deuteranomaly
40, 15.630, 269.428

Tritanomaly
40, 16.354, 224.668

Monochromacy



Original Color
40, 17.581, 242.582

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 7.169, 235.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 17.444, 240.205 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(59, 99, 119)` looks like.

```
.text, #text, p{  
    color:rgb(59, 99, 119)  
}
```

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(59, 99, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 99, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 17.444, 240.205 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(59, 99, 119) }
```

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

```
.border{ border-color:rgb(59, 99, 119) }
```

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

Here you see how a box with a 4 pixel rgb(59, 99, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 99, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 99, 119);  
box-shadow:4px 4px 4px 4px rgb(59, 99,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 17.444, 240.205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 99, 119) }
```

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

```
.background{ background-color: rgb(59, 99,  
119) }
```

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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