

Converting Colors

CIELCh(40, 16.239, 208.469)

Have a look what the booklet for
CIELCh(40, 16.239, 208.469)
contains.

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Color

CIELCh(40, 16.234, 208.481)

Conversions

Conversions Part 1

Format	Color
Hex	37656A
RGB	55, 101, 106
RGB Percent	22%, 40%, 42%
CMY	0.7828, 0.6025, 0.5828
CMYK	0.48, 0.05, 0.00, 0.58
HSL	186°, 32%, 32%
HSV	186°, 48%, 42%
XYZ	8.9071, 11.2510, 15.4397
YIQ	87.8160, -29.0210, -8.1970

Conversions

Conversions Part 2

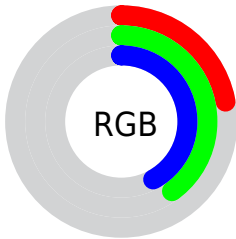
Format	Color
RYB	55, 79, 106
Decimal	3630442
CIELab	40.00, -14.27, -7.74
CIElCh	40, 16.234, 208.481
Yxy	11.2510, 0.2502, 0.3161
Android (android.graphics.Color)	4281820522 (0xFF37656A)
YUV	87.8160, 8.9647, -28.7796
Hunter-Lab	33.5425, -11.2991, -3.8116

Details

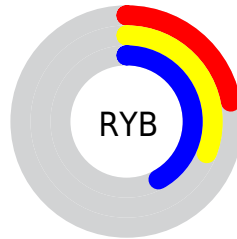
The CIELCh color **40, 16.234, 208.481** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 22.864, 31.090**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 16.105, 208.203**, and **20, 16.096, 209.042** is the 20% darker color. If you saturate the color by 10%, you get **39, 18.605, 208.867**, and if you desaturate by 10%, it is **41, 13.443, 208.256**.

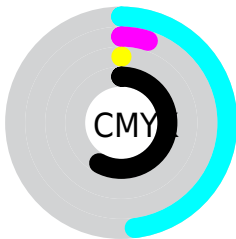
Distribution



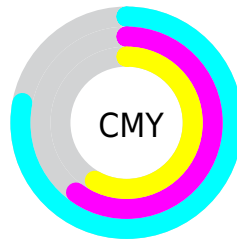
- Red (22%)
- Green (40%)
- Blue (42%)



- Red (22%)
- Yellow (31%)
- Blue (42%)



- Cyan (48%)
- Magenta (5%)
- Yellow (0%)
- Black (58%)





- Cyan (78%)
- Magenta (60%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 16.234, 208.481 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, 16.234, 208.481 by changing the saturation by 10% instead.


 40, 16.234,
208.481


 40, 16.234,
208.481


 100, 16.234,
208.481


 30, 16.234,
208.481

 60, 16.234,
208.481


 20, 16.234,
208.481


 70, 16.234,
208.481


 10, 16.234,
208.481

 80, 16.234,
208.481

 0, 16.234, 208.481

 90, 16.234,
208.481

 40, 16.234,

 40, 16.234,

208.481

208.481

■ 39, 18.605,
208.867

■ 41, 13.443,
208.256

■ 38, 20.514,
209.450

■ 42, 10.285,
208.172

■ 38, 21.934,
210.260

■ 43, 6.817, 208.210

■ 37, 22.864,
211.329

■ 44, 3.097, 208.382

■ 45, 0.822, 28.024

■ 37, 23.462,
212.584

■ 46, 4.895, 28.617

■ 37, 23.586,
212.836

■ 48, 9.080, 28.931

■ 49, 13.344, 29.257

■ 51, 17.660, 29.599

Harmonies

Complementary

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



40, 16.234, 208.481



31, 22.864, 31.090

Rectangle

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



40, 16.234, 208.481



40, 16.234, 258.481



40, 16.234, 28.481



40, 16.234, 78.481

Sweetspot

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



40, 16.234, 208.479



55, 6.642, 208.252



40, 35.020, 143.093



28, 4.531, 208.231



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 16.234, 208.479



50, 22.803, 208.948



32, 19.814, 272.092



22, 2.200, 208.354



41, 25.262, 213.039



81, 43.282, 214.149

Inverse Universe

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



31, 34.547, 329.835



38, 50.335, 330.445



38, 21.103, 77.858



21, 4.121, 327.672



26, 60.475, 332.378



57, 103.613, 332.650

Previews

White Background



This preview shows how the CIELCh color 40, 16.234, 208.481 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, 16.234, 208.481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

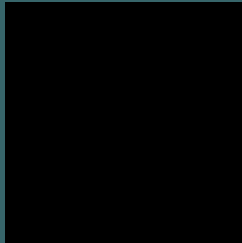
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 16.234, 208.481

Background



This preview shows how black text looks on a background with the CIELCh color 40, 16.234, 208.481.



This preview shows how white text looks on a background with the CIELCh color 40, 16.234, 208.481.

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, 16.234, 208.481

Protanopia

40, 4.887, 290.936

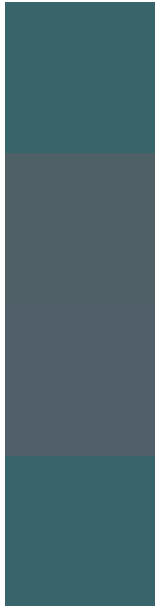
Deuteranopia

40, 9.929, 300.846



Tritanopia
40, 16.101, 215.466

Trichromacy



Original Color
40, 16.234, 208.481

Protanomaly
40, 7.743, 232.409

Deuteranomaly
40, 8.938, 254.408

Tritanomaly
40, 16.032, 213.223

Monochromacy



Original Color
40, 16.234, 208.481

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 6.846, 208.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 16.234, 208.481 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(55, 101, 106)` looks like.

```
.text, #text, p{  
    color:rgb(55, 101, 106)  
}
```

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(55, 101, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 101, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 16.234, 208.481 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(55, 101, 106) }
```

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

```
.border{ border-color:rgb(55, 101, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 101, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 101, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 101, 106);  
box-shadow:4px 4px 4px 4px rgb(55, 101,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 16.234, 208.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 101, 106) }
```

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

```
.background{ background-color: rgb(55, 101,  
106) }
```

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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