

Converting Colors

CIELCh(40, 16.164, 261.104)

Have a look what the booklet for
CIELCh(40, 16.164, 261.104)
contains.

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Color

CIELCh(40, 16.017, 260.510)

Conversions

Conversions Part 1

Format	Color
Hex	496178
RGB	73, 97, 120
RGB Percent	29%, 38%, 47%
CMY	0.7148, 0.6207, 0.5306
CMYK	0.39, 0.19, 0.00, 0.53
HSL	209°, 24%, 38%
HSV	209°, 39%, 47%
XYZ	10.3466, 11.2510, 19.3012
YIQ	92.4460, -21.6870, 2.0650

Conversions

Conversions Part 2

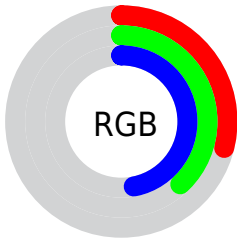
Format	Color
R_{YB}	73, 89, 120
Decimal	4809080
CIE _{Lab}	40.00, -2.64, -15.80
CIE _{LCh}	40, 16.017, 260.510
Yxy	11.2510, 0.2530, 0.2751
Android (android.graphics.Color)	4282999160 (0xFF496178)
YUV	92.4460, 13.5841, -17.0541
Hunter-Lab	33.5425, -3.6390, -10.6372

Details

The CIELCh color **40, 16.017, 260.510** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 17.943, 69.639**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 15.771, 258.612**, and **20, 15.695, 259.392** is the 20% darker color. If you saturate the color by 10%, you get **37, 19.911, 262.872**, and if you desaturate by 10%, it is **43, 12.035, 258.513**.

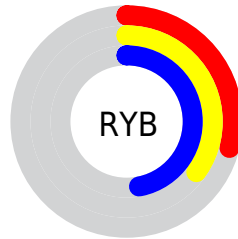
Distribution



Red (29%)

Green (38%)

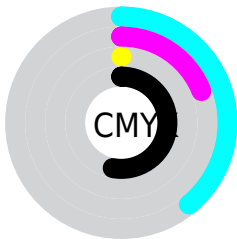
Blue (47%)



Red (29%)

Yellow (35%)

Blue (47%)

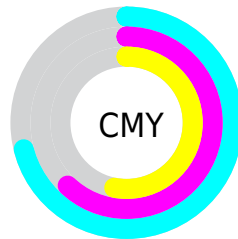


Cyan (39%)

Magenta (19%)

Yellow (0%)

Black (53%)



Cyan (71%)


Magenta (62%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 16.017, 260.510 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, 16.017, 260.510 by changing the saturation by 10% instead.


 40, 16.017,
260.510


 40, 16.017,
260.510


 100, 16.017,
260.510


 30, 16.017,
260.510

 60, 16.017,
260.510


 20, 16.017,
260.510

 70, 16.017,
260.510


 10, 16.017,
260.510

 80, 16.017,
260.510

 0, 16.017, 260.510

 90, 16.017,
260.510

 40, 16.017,

 40, 16.017,

260.510

260.510

■ 37, 19.911,
262.872

■ 43, 12.035,
258.513

■ 35, 23.717,
265.653

■ 45, 7.976, 256.834

■ 33, 27.448,
268.891

■ 48, 3.857, 255.437

■ 51, 0.307, 73.312

■ 30, 31.137,
272.588

■ 53, 4.500, 73.055

■ 28, 34.838,
276.690

■ 56, 8.708, 72.187

■ 59, 12.917, 71.420

■ 26, 38.653,
280.804

■ 61, 17.118, 70.747

■ 26, 38.947,
281.086

■ 64, 21.303, 70.154

Harmonies

Complementary

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



40, 16.017, 260.510



42, 17.943, 69.639

Rectangle

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



40, 16.017, 260.510



40, 16.017, 310.510



40, 16.017, 80.510



40, 16.017, 130.510

Sweetspot

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



40, 16.016, 260.508



60, 6.187, 255.832



46, 23.460, 159.155



31, 4.133, 255.966



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



40, 16.016, 260.508



49, 23.569, 262.595



33, 29.108, 294.484



23, 2.307, 255.408



26, 39.662, 281.204



54, 70.892, 283.909

Inverse Universe

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



37, 24.358, 346.688



45, 35.932, 347.785



49, 26.540, 105.846



23, 3.375, 343.733



25, 49.505, 359.386



54, 83.482, 1.845

Previews

White Background



This preview shows how the CIELCh color 40, 16.017, 260.510 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, 16.017, 260.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

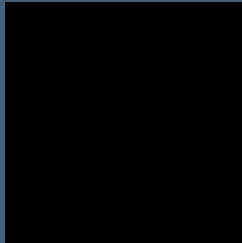
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

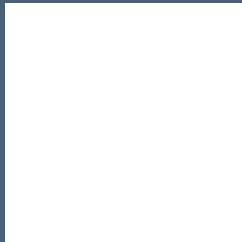
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 16.017, 260.510

Background



This preview shows how black text looks on a background with the CIELCh color 40, 16.017, 260.510.

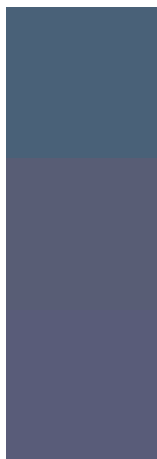


This preview shows how white text looks on a background with the CIELCh color 40, 16.017, 260.510.

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, 16.017, 260.510

Protanopia

40, 14.714, 285.113

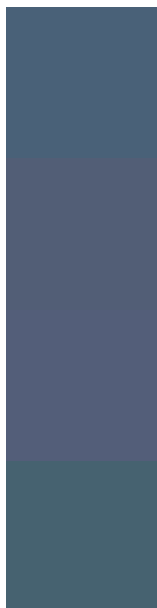
Deuteranopia

40, 17.715, 289.284



Tritanopia
40, 11.903, 222.566

Trichromacy



Original Color
40, 16.017, 260.510

Protanomaly
40, 15.137, 275.584

Deuteranomaly
40, 16.799, 278.992

Tritanomaly
40, 12.944, 240.042

Monochromacy



Original Color
40, 16.017, 260.510

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 5.975, 254.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 16.017, 260.510 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(73, 97, 120)` looks like.

```
.text, #text, p{  
    color:rgb(73, 97, 120)  
}
```

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(73, 97, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 97, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 16.017, 260.510 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(73, 97, 120) }
```

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

```
.border{ border-color:rgb(73, 97, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 97, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 97, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 97, 120);  
box-shadow:4px 4px 4px 4px rgb(73, 97,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 16.017, 260.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 97, 120) }
```

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

```
.background{ background-color: rgb(73, 97,  
120) }
```

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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