

Converting Colors

CIELCh(40, 17.056, 218.753)

Have a look what the booklet for
CIELCh(40, 17.056, 218.753)
contains.

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Color

CIELCh(40, 17.040, 218.809)

Conversions

Conversions Part 1

Format	Color
Hex	35656F
RGB	53, 101, 111
RGB Percent	21%, 40%, 44%
CMY	0.7915, 0.6033, 0.5641
CMYK	0.52, 0.09, 0.00, 0.56
HSL	190°, 35%, 32%
HSV	190°, 52%, 44%
XYZ	9.0242, 11.2510, 16.7816
YIQ	87.7880, -31.8180, -7.0660

Conversions

Conversions Part 2

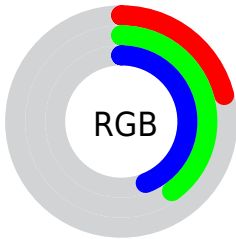
Format	Color
RYB	53, 79, 111
Decimal	3499375
CIELab	40.00, -13.28, -10.68
CIELCh	40, 17.040, 218.809
Yxy	11.2510, 0.2435, 0.3036
Android (android.graphics.Color)	4281689455 (0xFF35656F)
YUV	87.7880, 11.4435, -30.5091
Hunter-Lab	33.5425, -10.6759, -6.1836




Details

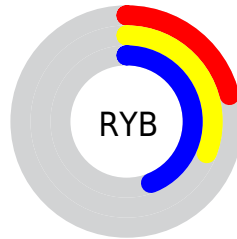
The CIELCh color **40, 17.040, 218.809** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 24.887, 37.472**, and the grayscale version is **37, 0.005, 296.813**.




A 20% lighter version of the original color is **60, 17.159, 219.477**, and **20, 16.152, 219.484** is the 20% darker color. If you saturate the color by 10%, you get **39, 19.226, 219.979**, and if you desaturate by 10%, it is **41, 14.435, 217.930**.

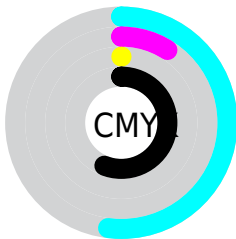
Distribution







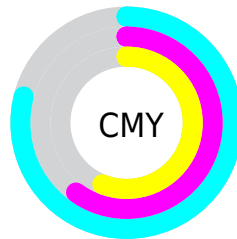
-  Red (21%)
-  Green (40%)
-  Blue (44%)






-  Red (21%)
-  Yellow (31%)
-  Blue (44%)



-  Cyan (52%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (56%)




-  Cyan (79%)
-  Magenta (60%)
-  Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 17.040, 218.809 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, 17.040, 218.809 by changing the saturation by 10% instead.

 40, 17.040,
218.809


 40, 17.040,
218.809


 100, 17.040,
218.809


 30, 17.040,
218.809

 60, 17.040,
218.809


 20, 17.040,
218.809


 70, 17.040,
218.809


 10, 17.040,
218.809

 80, 17.040,
218.809

 0, 17.040, 218.809

 90, 17.040,
218.809

 40, 17.040,

 40, 17.040,

218.809

218.809

■ 39, 19.226,
219.979

■ 41, 14.435,
217.930

■ 38, 20.959,
221.506

■ 42, 11.459,
217.295

■ 37, 22.229,
223.453

■ 44, 8.166, 216.860

■ 36, 23.059,
225.874

■ 45, 4.610, 216.600

■ 47, 0.842, 216.777

■ 36, 23.610,
227.862

■ 48, 3.092, 36.163

■ 50, 7.152, 36.229

■ 51, 11.304, 36.306

■ 53, 15.522, 36.418

Harmonies

Complementary

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



40, 17.040, 218.809



32, 24.887, 37.472

Rectangle

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



40, 17.040, 218.809



40, 17.040, 268.809



40, 17.040, 38.809



40, 17.040, 88.809

Sweetspot

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



40, 17.040, 218.807



57, 7.466, 216.689



42, 37.053, 145.063



29, 5.058, 216.730



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



40, 17.040, 218.807



50, 23.908, 220.330



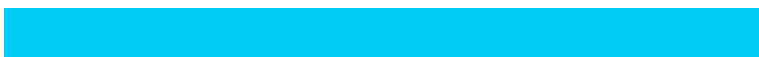
31, 25.075, 280.128



23, 2.163, 216.561



38, 24.913, 228.156



76, 42.589, 230.227

Inverse Universe

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



32, 36.772, 332.745



38, 53.419, 333.558



40, 25.191, 84.582



22, 4.067, 330.071



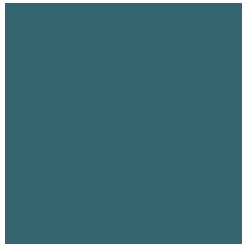
26, 58.086, 336.162



56, 98.491, 336.706

Previews

White Background



This preview shows how the CIELCh color 40, 17.040, 218.809 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, 17.040, 218.809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

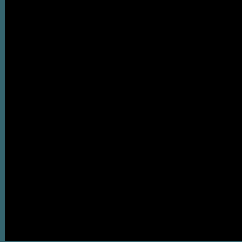
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 17.040, 218.809

Background



This preview shows how black text looks on a background with the CIELCh color 40, 17.040, 218.809.



This preview shows how white text looks on a background with the CIELCh color 40, 17.040, 218.809.

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, 17.040, 218.809

Protanopia

40, 7.941, 288.535

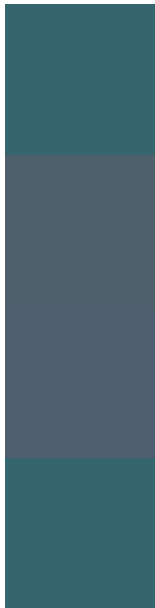
Deuteranopia

40, 12.845, 293.839



Tritanopia
40, 16.942, 216.693

Trichromacy



Original Color
40, 17.040, 218.809

Protanomaly
40, 9.816, 247.387

Deuteranomaly
40, 11.773, 261.378

Tritanomaly
40, 16.942, 216.693

Monochromacy



Original Color
40, 17.040, 218.809

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 7.295, 213.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 17.040, 218.809 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(53, 101, 111)` looks like.

```
.text, #text, p{  
    color:rgb(53, 101, 111)  
}
```

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(53, 101, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 101, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 17.040, 218.809 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(53, 101, 111) }
```

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

```
.border{ border-color:rgb(53, 101, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 101, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 101, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 101, 111);  
box-shadow:4px 4px 4px 4px rgb(53, 101,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 17.040, 218.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 101, 111) }
```

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

```
.background{ background-color: rgb(53, 101,  
111) }
```

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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