

Converting Colors

CIELCh(40, 10.858, 198.066)

Have a look what the booklet for
CIELCh(40, 10.858, 198.066)
contains.

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Color

CIELCh(40, 10.785, 198.088)

Conversions

Conversions Part 1

Format	Color
Hex	476363
RGB	71, 99, 99
RGB Percent	28%, 39%, 39%
CMY	0.7202, 0.6104, 0.6104
CMYK	0.28, 0.00, 0.00, 0.61
HSL	180°, 16%, 33%
HSV	180°, 28%, 39%
XYZ	9.3882, 11.2510, 13.5697
YIQ	90.6280, -16.6880, -5.9360

Conversions

Conversions Part 2

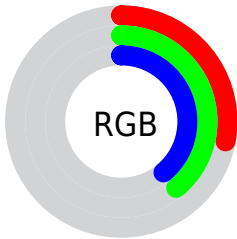
Format	Color
R_{YB}	71, 85, 99
Decimal	4678499
CIE Lab	40.00, -10.25, -3.35
CIE LCh	40, 10.785, 198.088
Yxy	11.2510, 0.2744, 0.3289
Android (android.graphics.Color)	4282868579 (0xFF476363)
YUV	90.6280, 4.1274, -17.2138
Hunter-Lab	33.5425, -8.7390, -0.5062

Details

The CIELCh color **40, 10.785, 198.088** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 12.879, 21.476**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 10.982, 198.422**, and **20, 10.658, 201.132** is the 20% darker color. If you saturate the color by 10%, you get **39, 14.076, 197.678**, and if you desaturate by 10%, it is **41, 7.179, 198.543**.

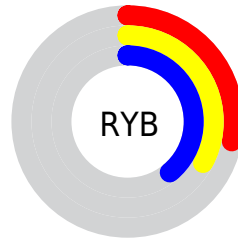
Distribution



Red (28%)

Green (39%)

Blue (39%)



Red (28%)

Yellow (33%)

Blue (39%)

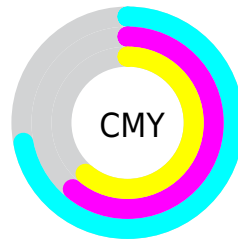


Cyan (28%)

Magenta (0%)

Yellow (0%)

Black (61%)



Cyan (72%)


Magenta (61%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 10.785, 198.088 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, 10.785, 198.088 by changing the saturation by 10% instead.


 40, 10.785,
198.088


 40, 10.785,
198.088


 100, 10.785,
198.088


 30, 10.785,
198.088

 60, 10.785,
198.088


 20, 10.785,
198.088

 70, 10.785,
198.088


 10, 10.785,
198.088

 80, 10.785,
198.088

 0, 10.785, 198.088

 90, 10.785,
198.088

 40, 10.785,

 40, 10.785,

198.088

198.088

■ 39, 14.076,
197.678

■ 41, 7.179, 198.543

■ 39, 16.995,
197.325

■ 41, 3.316, 199.079

■ 39, 19.493,
197.028

■ 42, 0.748, 19.050

■ 38, 21.531,
196.789

■ 44, 9.283, 20.559

■ 38, 23.090,
196.607

■ 45, 13.671, 21.145

■ 38, 24.174,
196.482

■ 48, 22.534, 22.323

■ 38, 24.964,
196.391

■ 49, 26.965, 22.911

■ 38, 25.107,
196.374

Harmonies

Complementary

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



40, 10.785, 198.088



33, 12.879, 21.476

Rectangle

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



40, 10.785, 198.088



40, 10.785, 248.088



40, 10.785, 18.088



40, 10.785, 68.088

Sweetspot

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



40, 10.785, 198.084



54, 4.040, 199.076



39, 20.757, 142.260



28, 2.886, 199.005



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, 10.785, 198.084



51, 15.832, 197.801



36, 9.908, 257.548



20, 2.221, 199.039



42, 27.358, 196.374



86, 47.825, 196.373

Inverse Universe

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



33, 12.879, 21.476



41, 19.845, 22.248



37, 10.726, 70.389



18, 2.339, 19.830



22, 54.830, 37.105



50, 99.786, 39.998

Previews

White Background



This preview shows how the CIELCh color 40, 10.785, 198.088 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, 10.785, 198.088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

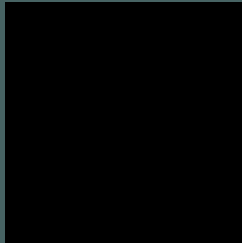
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 10.785, 198.088

Background



This preview shows how black text looks on a background with the CIELCh color 40, 10.785, 198.088.



This preview shows how white text looks on a background with the CIELCh color 40, 10.785, 198.088.

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, 10.785, 198.088

Protanopia

40, 2.025, 314.739

Deuteranopia

40, 7.180, 322.143



Tritanopia
40, 10.415, 226.520

Trichromacy



Original Color
40, 10.785, 198.088

Protanomaly
40, 3.828, 217.690

Deuteranomaly
40, 3.975, 266.709

Tritanomaly
40, 10.353, 219.153

Monochromacy



Original Color
40, 10.785, 198.088

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 4.091, 198.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 10.785, 198.088 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(71, 99, 99)` looks like.

```
.text, #text, p{  
    color:rgb(71, 99, 99)  
}
```

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(71, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 99, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 10.785, 198.088 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(71, 99, 99) }
```

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

```
.border{ border-color:rgb(71, 99, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 99, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 99, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 99, 99);  
box-shadow:4px 4px 4px 4px rgb(71, 99, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 10.785, 198.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 99, 99) }
```

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

```
.background{ background-color: rgb(71, 99,  
99) }
```

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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