

Converting Colors

CIELCh(40, 13.474, 199.106)

Have a look what the booklet for
CIELCh(40, 13.474, 199.106)
contains.

CIELCh(40, 13.767, 197.743)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(40, 13.767, 197.743)

Conversions

Conversions Part 1

Format	Color
Hex	406565
RGB	64, 101, 101
RGB Percent	25%, 40%, 40%
CMY	0.7504, 0.6053, 0.6053
CMYK	0.37, 0.00, 0.00, 0.61
HSL	180°, 23%, 32%
HSV	180°, 37%, 39%
XYZ	9.0440, 11.2510, 13.9177
YIQ	89.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

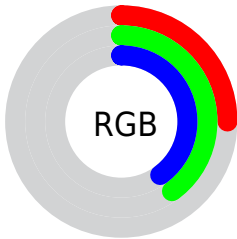
Format	Color
RYB	64, 83, 101
Decimal	4220261
CIELab	40.00, -13.11, -4.20
CIElCh	40, 13.767, 197.743
Yxy	11.2510, 0.2643, 0.3289
Android (android.graphics.Color)	4282410341 (0xFF406565)
YUV	89.9370, 5.4541, -22.7467
Hunter-Lab	33.5425, -10.5709, -1.1214

Details

The CIELCh color **40, 13.767, 197.743** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 17.483, 22.479**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 13.651, 198.182**, and **20, 13.744, 196.897** is the 20% darker color. If you saturate the color by 10%, you get **39, 16.772, 197.380**, and if you desaturate by 10%, it is **41, 10.393, 198.153**.

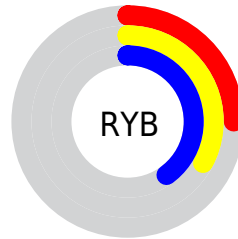
Distribution



Red (25%)

Green (40%)

Blue (40%)



Red (25%)

Yellow (33%)

Blue (40%)

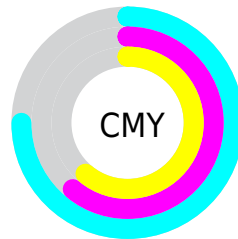


Cyan (37%)

Magenta (0%)

Yellow (0%)

Black (61%)



Cyan (75%)


Magenta (61%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 13.767, 197.743 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, 13.767, 197.743 by changing the saturation by 10% instead.


 40, 13.767,
197.743


 40, 13.767,
197.743


 100, 13.767,
197.743


 30, 13.767,
197.743

 60, 13.767,
197.743


 20, 13.767,
197.743

 70, 13.767,
197.743


 10, 13.767,
197.743

 80, 13.767,
197.743

 0, 13.767, 197.743

 90, 13.767,
197.743

 40, 13.767,

 40, 13.767,

197.743

197.743

■ 39, 16.772,
197.380

■ 41, 10.393,
198.153

■ 39, 19.357,
197.075

■ 41, 6.709, 198.621

■ 39, 21.480,
196.828

■ 42, 2.772, 199.180

■ 43, 1.361, 19.332

■ 38, 23.121,
196.640

■ 44, 5.639, 20.064

■ 38, 24.278,
196.508

■ 45, 10.018, 20.653

■ 46, 14.461, 21.240

■ 38, 25.079,
196.417

■ 47, 18.937, 21.829

■ 38, 25.334,
196.388

■ 48, 23.423, 22.420

Harmonies

Complementary

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



40, 13.767, 197.743



31, 17.483, 22.479

Rectangle

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



40, 13.767, 197.743



40, 13.767, 247.743



40, 13.767, 17.743



40, 13.767, 67.743

Sweetspot

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



40, 13.767, 197.740



53, 5.515, 198.905



39, 27.416, 141.947



27, 3.726, 198.855



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, 13.767, 197.740



51, 19.621, 197.430



34, 13.186, 261.044



21, 2.318, 199.041



43, 27.797, 196.388



87, 48.205, 196.388

Inverse Universe

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



32, 27.393, 326.292



40, 40.118, 326.688



36, 14.523, 71.138



20, 4.229, 324.876



26, 64.100, 328.233



57, 111.163, 328.233

Previews

White Background



This preview shows how the CIELCh color 40, 13.767, 197.743 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, 13.767, 197.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

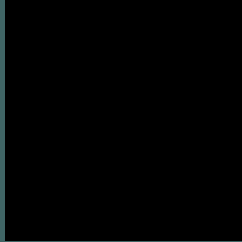
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

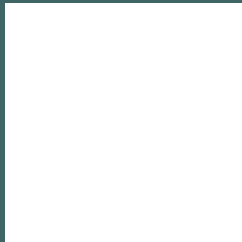
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 13.767, 197.743

Background



This preview shows how black text looks on a background with the CIELCh color 40, 13.767, 197.743.



This preview shows how white text looks on a background with the CIELCh color 40, 13.767, 197.743.

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, 13.767, 197.743

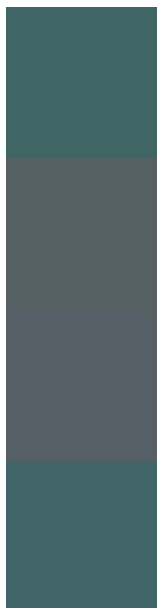
Protanopia
40, 2.025, 314.739

Deuteranopia
40, 8.065, 315.111



Tritanopia
40, 13.358, 219.588

Trichromacy



Original Color
40, 13.767, 197.743

Protanomaly
40, 4.951, 213.190

Deuteranomaly
40, 5.500, 250.266

Tritanomaly
40, 13.065, 211.528

Monochromacy



Original Color
40, 13.767, 197.743

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 5.667, 198.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 13.767, 197.743 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(64, 101, 101)` looks like.

```
.text, #text, p{  
    color:rgb(64, 101, 101)  
}
```

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(64, 101, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 101, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 13.767, 197.743 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(64, 101, 101) }
```

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

```
.border{ border-color:rgb(64, 101, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 101, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 101, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 101, 101);  
box-shadow:4px 4px 4px 4px rgb(64, 101,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 13.767, 197.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 101, 101) }
```

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

```
.background{ background-color: rgb(64, 101,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor