

Converting Colors

CIELCh(40, 3.873, 128.831)

Have a look what the booklet for
CIELCh(40, 3.873, 128.831) contains.

CIELCh(40, 3.873, 128.831)	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, 3.873, 128.831)

Conversions

Conversions Part 1

Format	Color
Hex	5C5F59
RGB	92, 95, 89
RGB Percent	36%, 37%, 35%
CMY	0.6381, 0.6263, 0.6499
CMYK	0.03, 0.00, 0.06, 0.63
HSL	90°, 3%, 36%
HSV	90°, 6%, 37%
XYZ	10.3742, 11.2510, 11.1375
YIQ	93.4190, 0.1380, -2.5020

Conversions

Conversions Part 2

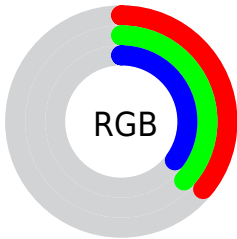
Format	Color
RYB	89, 95, 92
Decimal	6053721
CIELab	40.00, -2.43, 3.02
CIELCh	40, 3.873, 128.831
Yxy	11.2510, 0.3166, 0.3434
Android (android.graphics.Color)	4284243801 (0xFF5C5F59)
YUV	93.4190, -2.1786, -1.2445
Hunter-Lab	33.5425, -3.4919, 3.7930

Details

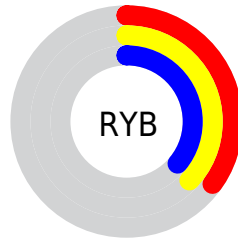
The CIELCh color **40, 3.873, 128.831** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 3.913, 309.314**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 3.587, 128.920**, and **20, 3.694, 132.144** is the 20% darker color. If you saturate the color by 10%, you get **39, 10.044, 128.400**, and if you desaturate by 10%, it is **41, 2.276, 309.188**.

Distribution



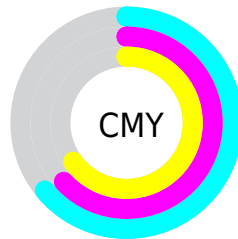
- Red (36%)
- Green (37%)
- Blue (35%)



- Red (35%)
- Yellow (37%)
- Blue (36%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (63%)



- Cyan (64%)
- Magenta (63%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 3.873, 128.831 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, 3.873, 128.831 by changing the saturation by 10% instead.

■ 40, 3.873, 128.831

■ 40, 3.873, 128.831

■ 100, 3.873,
128.831

■ 30, 3.873, 128.831

■ 60, 3.873, 128.831

■ 20, 3.873, 128.831

■ 70, 3.873, 128.831

■ 10, 3.873, 128.831

■ 80, 3.873, 128.831

■ 0, 3.873, 128.831

■ 90, 3.873, 128.831

■ 40, 3.873, 128.831

■ 40, 3.873, 128.831

■ 39, 10.044,
128.400

■ 41, 2.276, 309.188

■ 39, 16.196,

■ 41, 8.379, 309.578

127.951

42, 14.418,
309.918

38, 22.282,
127.498

43, 20.377,
310.225

38, 28.230,
127.061

44, 26.248,
310.502

37, 33.940,
126.677

45, 32.023,
310.750

37, 39.273,
126.402

46, 37.700,
310.972

36, 44.040,
126.314

47, 43.274,
311.170

36, 48.013,
126.513

48, 48.747,
311.347

36, 51.288,
126.914

Harmonies

Complementary

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



40, 3.873, 128.831



38, 3.913, 309.314

Rectangle

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



40, 3.873, 128.831



40, 3.873, 178.831



40, 3.873, 308.831



40, 3.873, 358.831

Sweetspot

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



40, 3.874, 128.837



52, 1.531, 129.046



39, 2.224, 74.615



27, 0.877, 129.059



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



40, 3.874, 128.837



52, 6.151, 128.751



40, 4.472, 144.141



20, 3.499, 128.723



42, 59.130, 127.309



85, 104.379, 128.319

Inverse Universe

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



38, 3.913, 309.314



49, 6.224, 309.401



39, 4.482, 324.728



18, 3.543, 309.429



16, 67.793, 312.409



38, 119.280, 311.716

Previews

White Background



This preview shows how the CIELCh color 40, 3.873, 128.831 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, 3.873, 128.831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

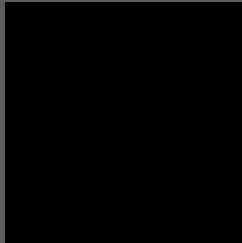
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 3.873, 128.831

Background



This preview shows how black text looks on a background with the CIELCh color 40, 3.873, 128.831.

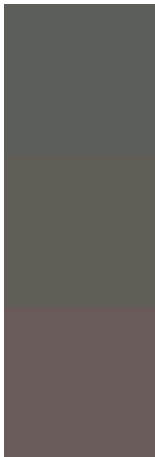


This preview shows how white text looks on a background with the CIELCh color 40, 3.873, 128.831.

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, 3.873, 128.831

Protanopia

40, 3.857, 90.019

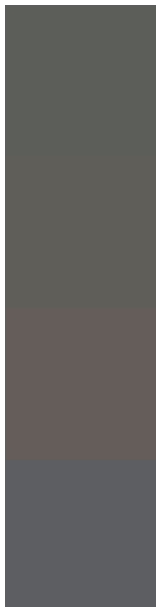
Deuteranopia

40, 6.096, 25.861



Tritanopia
40, 4.269, 290.838

Trichromacy



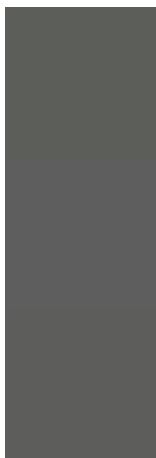
Original Color
40, 3.873, 128.831

Protanomaly
40, 3.666, 102.876

Deuteranomaly
40, 3.511, 50.865

Tritanomaly
40, 1.872, 277.745

Monochromacy



Original Color
40, 3.873, 128.831

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 1.288, 129.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 3.873, 128.831 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(92, 95, 89)` looks like.

```
.text, #text, p{  
    color:rgb(92, 95, 89)  
}
```

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(92, 95, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 95, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 3.873, 128.831 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(92, 95, 89) }
```

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

```
.border{ border-color:rgb(92, 95, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 95, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 95, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 95, 89);  
box-shadow:4px 4px 4px 4px rgb(92, 95, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 3.873, 128.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 95, 89) }
```

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

```
.background{ background-color: rgb(92, 95,  
89) }
```

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