

Converting Colors

CIELCh(40, 3.324, 52.584)

Have a look what the booklet for
CIELCh(40, 3.324, 52.584) contains.

CIELCh(40, 3.511, 50.865)	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, 3.511, 50.865)

Conversions

Conversions Part 1

Format	Color
Hex	645D5A
RGB	100, 93, 90
RGB Percent	39%, 36%, 35%
CMY	0.6082, 0.6357, 0.6475
CMYK	0.00, 0.07, 0.10, 0.61
HSL	18°, 5%, 37%
HSV	18°, 10%, 39%
XYZ	10.9909, 11.2510, 11.2428
YIQ	94.7510, 5.1350, 0.5510

Conversions

Conversions Part 2

Format	Color
R_{YB}	100, 94, 90
Decimal	6577498
CIE Lab	40.00, 2.22, 2.72
CIE LCh	40, 3.511, 50.865
Yxy	11.2510, 0.3282, 0.3360
Android (android.graphics.Color)	4284767578 (0xFF645D5A)
YUV	94.7510, -2.3422, 4.6034
Hunter-Lab	33.5425, -0.2098, 3.6069

Details

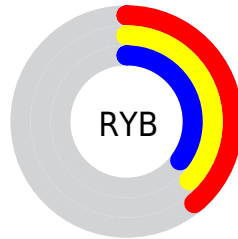
The CIELCh color $40, 3.511, 50.865$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $41, 3.340, 232.375$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 3.577, 47.695$, and $20, 3.209, 44.828$ is the 20% darker color. If you saturate the color by 10%, you get $38, 7.272, 50.371$, and if you desaturate by 10%, it is $42, 0.005, 327.648$.

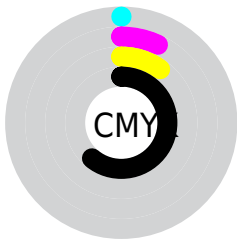
Distribution



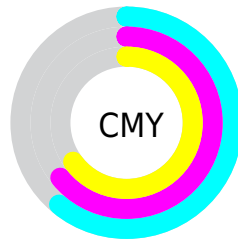
- Red (39%)
- Green (36%)
- Blue (35%)



- Red (39%)
- Yellow (37%)
- Blue (35%)



- Cyan (0%)
- Magenta (7%)
- Yellow (10%)
- Black (61%)



- Cyan (61%)
- Magenta (64%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 3.511, 50.865 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, 3.511, 50.865 by changing the saturation by 10% instead.

 40, 3.511, 50.865  40, 3.511, 50.865

 100, 3.511, 50.865  30, 3.511, 50.865

 60, 3.511, 50.865  20, 3.511, 50.865

 70, 3.511, 50.865  10, 3.511, 50.865

 80, 3.511, 50.865  0, 3.511, 50.865

 90, 3.511, 50.865

 40, 3.511, 50.865  40, 3.511, 50.865

 38, 7.272, 50.371  42, 0.005, 327.648

 35, 11.308, 49.887  45, 3.283, 232.319

 33, 15.638, 49.477  47, 6.365, 232.934

■ 31, 20.269, 49.163

■ 49, 9.268, 233.590

■ 29, 25.191, 48.955

■ 52, 12.013,
234.254

■ 27, 30.355, 48.842

■ 54, 14.618,
234.916

■ 25, 35.636, 48.765

■ 24, 40.568, 48.321

■ 57, 17.101,
235.570

■ 22, 44.695, 47.442

■ 59, 19.475,
236.211

■ 61, 21.754,
236.838

Harmonies

Complementary

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



40, 3.511, 50.865



41, 3.340, 232.375

Rectangle

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



40, 3.511, 50.865



40, 3.511, 100.865



40, 3.511, 230.865



40, 3.511, 280.865

Sweetspot

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



40, 3.511, 50.888



54, 1.274, 51.104



39, 6.010, 334.890



27, 0.976, 51.115



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, 3.511, 50.888



51, 5.272, 50.769



41, 4.893, 99.326



20, 1.996, 50.940



26, 50.640, 47.924



56, 91.513, 46.877

Inverse Universe

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



41, 3.340, 232.375



52, 4.950, 232.547



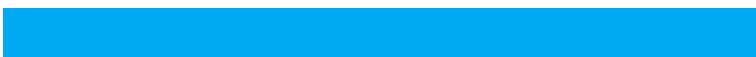
39, 4.949, 281.539



20, 1.910, 232.303



32, 26.658, 253.807



66, 47.504, 257.101

Previews

White Background



This preview shows how the CIELCh color 40, 3.511, 50.865 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, 3.511, 50.865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

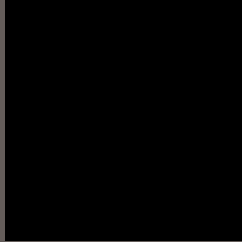
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 3.511, 50.865

Background



This preview shows how black text looks on a background with the CIELCh color 40, 3.511, 50.865.



This preview shows how white text looks on a background with the CIELCh color 40, 3.511, 50.865.

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, 3.511, 50.865

Protanopia

40, 2.736, 81.826

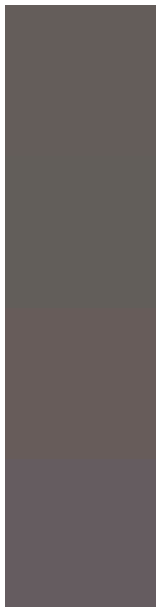
Deuteranopia

40, 6.096, 25.861



Tritanopia
40, 5.704, 331.811

Trichromacy



Original Color
40, 3.511, 50.865

Protanomaly
40, 2.961, 74.423

Deuteranomaly
40, 4.903, 34.247

Tritanomaly
40, 4.521, 347.429

Monochromacy



Original Color
40, 3.511, 50.865

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 1.399, 45.027

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 3.511, 50.865 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(100, 93, 90)` looks like.

```
.text, #text, p{  
    color:rgb(100, 93, 90)  
}
```

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(100, 93, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 93, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 3.511, 50.865 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(100, 93, 90) }
```

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

```
.border{ border-color:rgb(100, 93, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 93, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 93, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 93, 90);  
box-shadow:4px 4px 4px 4px rgb(100, 93,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 3.511, 50.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 93, 90) }
```

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

```
.background{ background-color: rgb(100, 93,  
90) }
```

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