

Converting Colors

CIELCh(40, 12.356, 170.195)

Have a look what the booklet for
CIELCh(40, 12.356, 170.195)
contains.

CIELCh(40, 12.587, 168.851)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 12.587, 168.851)

Conversions

Conversions Part 1

Format	Color
Hex	49645A
RGB	73, 100, 90
RGB Percent	29%, 39%, 35%
CMY	0.7140, 0.6081, 0.6473
CMYK	0.27, 0.00, 0.10, 0.61
HSL	158°, 16%, 34%
HSV	158°, 27%, 39%
XYZ	9.1349, 11.2510, 11.3471
YIQ	90.7870, -12.8820, -8.8340

Conversions

Conversions Part 2

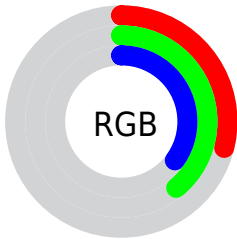
Format	Color
R_{YB}	73, 90, 100
Decimal	4809818
CIE _{Lab}	40.00, -12.35, 2.43
CIE _{LCh}	40, 12.587, 168.851
Yxy	11.2510, 0.2879, 0.3546
Android (android.graphics.Color)	4282999898 (0xFF49645A)
YUV	90.7870, -0.3880, -15.5992
Hunter-Lab	33.5425, -10.0868, 3.4224

Details

The CIELCh color $40, 12.587, 168.851$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $34, 13.317, 353.848$, and the grayscale version is $39, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 12.714, 168.976$, and $20, 12.182, 170.474$ is the 20% darker color. If you saturate the color by 10%, you get $39, 17.027, 167.788$, and if you desaturate by 10%, it is $41, 7.995, 169.827$.

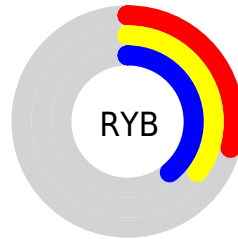
Distribution



Red (29%)

Green (39%)

Blue (35%)



Red (29%)

Yellow (35%)

Blue (39%)

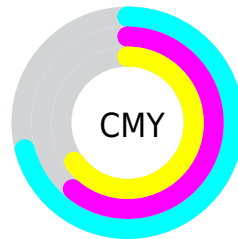


Cyan (27%)

Magenta (0%)

Yellow (10%)

Black (61%)



Cyan (71%)


Magenta (61%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 12.587, 168.851 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, 12.587, 168.851 by changing the saturation by 10% instead.


 40, 12.587,
168.851


 40, 12.587,
168.851


 100, 12.587,
168.851


 30, 12.587,
168.851

 60, 12.587,
168.851


 20, 12.587,
168.851


 70, 12.587,
168.851


 10, 12.587,
168.851

 80, 12.587,
168.851

 0, 12.587, 168.851

 90, 12.587,
168.851

 40, 12.587,

 40, 12.587,

168.851

168.851

■ 39, 17.027,
167.788

■ 41, 7.995, 169.827

■ 39, 21.243,
166.622

■ 42, 3.310, 170.767

■ 43, 1.414, 351.318

■ 38, 25.169,
165.332

■ 44, 6.133, 352.241

■ 38, 28.739,
163.896

■ 45, 10.813,
352.989

■ 37, 31.903,
162.294

■ 46, 15.427,
353.685

■ 37, 34.635,
160.513

■ 47, 19.958,
354.344

■ 37, 37.054,
158.658

■ 49, 24.393,
354.969

■ 37, 37.777,
158.149

■ 50, 28.725,
355.567

Harmonies

Complementary

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



40, 12.587, 168.851



34, 13.317, 353.848

Rectangle

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



40, 12.587, 168.851



40, 12.587, 218.851



40, 12.587, 348.851



40, 12.587, 38.851

Sweetspot

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



40, 12.588, 168.849



53, 4.685, 170.649



40, 17.845, 131.902



27, 3.355, 170.538



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, 12.588, 168.849



51, 18.385, 168.232



39, 9.339, 210.293



21, 2.692, 170.582



42, 41.946, 157.752



85, 74.656, 156.283

Inverse Universe

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



34, 13.317, 353.848



42, 19.699, 354.556



35, 11.137, 31.042



19, 2.744, 351.978



23, 47.072, 12.023



51, 82.378, 15.556

Previews

White Background



This preview shows how the CIE LCh color 40, 12.587, 168.851 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, 12.587, 168.851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

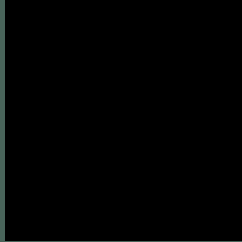
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

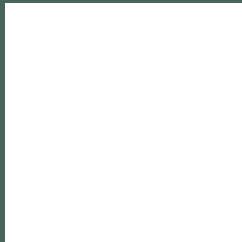
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 12.587, 168.851

Background



This preview shows how black text looks on a background with the CIELCh color 40, 12.587, 168.851.



This preview shows how white text looks on a background with the CIELCh color 40, 12.587, 168.851.

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, 12.587, 168.851

Protanopia

40, 4.436, 92.501

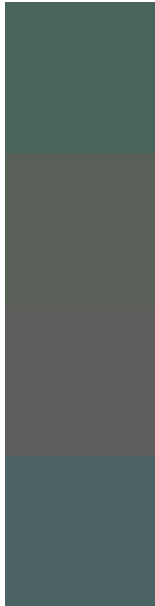
Deuteranopia

40, 5.615, 13.935



Tritanopia
40, 9.272, 226.063

Trichromacy



Original Color
40, 12.587, 168.851

Protanomaly
40, 5.959, 144.018

Deuteranomaly
40, 1.874, 122.909

Tritanomaly
40, 9.327, 202.053

Monochromacy



Original Color
40, 12.587, 168.851

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 4.562, 175.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 12.587, 168.851 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(73, 100, 90)` looks like.

```
.text, #text, p{  
    color:rgb(73, 100, 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(73, 100, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 100, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 12.587, 168.851 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(73, 100, 90) }
```

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

```
.border{ border-color:rgb(73, 100, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 100, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 100, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 100, 90);  
box-shadow:4px 4px 4px 4px rgb(73, 100,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 12.587, 168.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 100, 90) }
```

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

```
.background{ background-color: rgb(73, 100,  
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](#).

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