

Converting Colors

CIELCh(38, 34.624, 149.676)

Have a look what the booklet for
CIELCh(38, 34.624, 149.676)
contains.

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Color

CIELCh(38, 34.635, 149.716)

Conversions

Conversions Part 1

Format	Color
Hex	28653C
RGB	40, 101, 60
RGB Percent	16%, 40%, 24%
CMY	0.8431, 0.6039, 0.7646
CMYK	0.60, 0.00, 0.41, 0.60
HSL	140°, 43%, 28%
HSV	140°, 60%, 40%
XYZ	6.3468, 10.0881, 5.8895
YIQ	78.0870, -23.1950, -25.6830

Conversions

Conversions Part 2

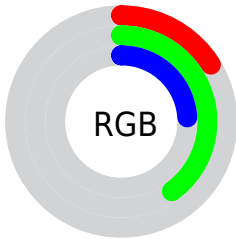
Format	Color
RYB	40, 86, 101
Decimal	2647356
CIELab	38.00, -29.91, 17.47
CIElCh	38, 34.635, 149.716
Yxy	10.0881, 0.2843, 0.4519
Android (android.graphics.Color)	4280837436 (0xFF28653C)
YUV	78.0870, -8.9169, -33.4023
Hunter-Lab	31.7617, -19.9142, 11.2391

Details

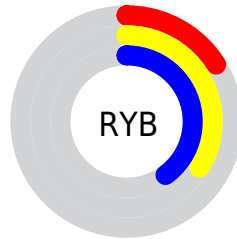
The CIELCh color **38, 34.635, 149.716** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **26, 34.875, 340.206**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 34.898, 149.867**, and **18, 31.601, 145.560** is the 20% darker color. If you saturate the color by 10%, you get **38, 39.522, 148.269**, and if you desaturate by 10%, it is **39, 29.352, 150.997**.

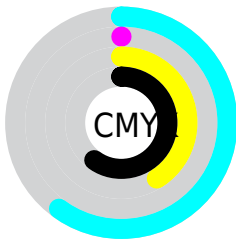
Distribution



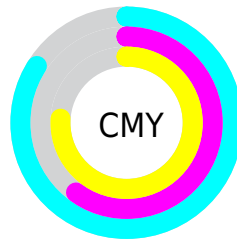
- Red (16%)
- Green (40%)
- Blue (24%)



- Red (16%)
- Yellow (34%)
- Blue (40%)



- Cyan (60%)
- Magenta (0%)
- Yellow (41%)
- Black (60%)




- Cyan (84%)
- Magenta (60%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 34.635, 149.716 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 38, 34.635, 149.716 by changing the saturation by 10% instead.


 38, 34.635,
149.716


 38, 34.635,
149.716

 100, 34.635,
149.716


 28, 34.635,
149.716

 58, 34.635,
149.716

 18, 34.635,
149.716


 68, 34.635,
149.716

 8, 34.635, 149.716

 78, 34.635,
149.716

 0, 34.635, 149.716

 88, 34.635,
149.716

 98, 34.635,
149.716

■ 38, 34.635,
149.716

■ 38, 34.635,
149.716

■ 38, 39.522,
148.269

■ 39, 29.352,
150.997

■ 37, 43.926,
146.653

■ 39, 23.768,
152.124

■ 37, 47.785,
144.886

■ 40, 17.979,
153.113

■ 37, 51.155,
143.318

■ 41, 12.076,
153.986

■ 42, 6.136, 154.766

■ 43, 0.222, 156.359

■ 44, 5.615, 335.973

■ 45, 11.341,
336.533

■ 46, 16.929,
337.027

Harmonies

Complementary

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



38, 34.635, 149.716



26, 34.875, 340.206

Rectangle

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



38, 34.635, 149.716



38, 34.635, 199.716



38, 34.635, 329.716



38, 34.635, 19.716

Sweetspot

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



38, 34.636, 149.716



52, 13.120, 154.139



40, 36.242, 119.423



27, 9.191, 153.962



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



38, 34.636, 149.716



48, 49.302, 147.702



39, 22.662, 178.907



21, 3.341, 154.875



42, 56.412, 142.980



84, 100.816, 141.656

Inverse Universe

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



26, 34.875, 340.206



32, 48.641, 341.741



25, 29.413, 13.068



20, 3.359, 335.978



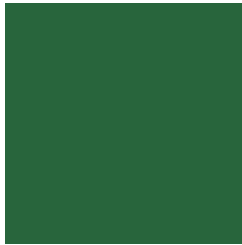
24, 50.745, 345.953



54, 87.000, 347.422

Previews

White Background



This preview shows how the CIELCh color 38, 34.635, 149.716 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 38, 34.635, 149.716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

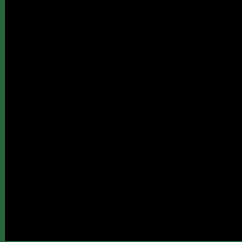
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 34.635, 149.716

Background



This preview shows how black text looks on a background with the CIELCh color 38, 34.635, 149.716.



This preview shows how white text looks on a background with the CIELCh color 38, 34.635, 149.716.

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
38, 34.635, 149.716

Protanopia
38, 20.967, 96.246

Deuteranopia
38, 16.452, 70.770



Tritanopia
38, 15.557, 216.292

Trichromacy



Original Color
38, 34.635, 149.716

Protanomaly
37, 23.095, 126.387

Deuteranomaly
37, 17.520, 121.008

Tritanomaly
38, 19.612, 178.553

Monochromacy



Original Color
38, 34.635, 149.716

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 13.364, 153.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 34.635, 149.716 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(40, 101, 60)` looks like.

```
.text, #text, p{  
    color:rgb(40, 101, 60)  
}
```

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(40, 101, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 101, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 34.635, 149.716 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(40, 101, 60) }
```

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

```
.border{ border-color:rgb(40, 101, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 101, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 101, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 101, 60);  
box-shadow:4px 4px 4px 4px rgb(40, 101,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 34.635, 149.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 101, 60) }
```

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

```
.background{ background-color: rgb(40, 101,  
60) }
```

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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