

Converting Colors

CIELCh(40, 34.685, 149.333)

Have a look what the booklet for
CIELCh(40, 34.685, 149.333)
contains.

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Color

CIELCh(40, 34.744, 149.111)

Conversions

Conversions Part 1

Format	Color
Hex	2E6A40
RGB	46, 106, 64
RGB Percent	18%, 42%, 25%
CMY	0.8197, 0.5844, 0.7491
CMYK	0.57, 0.00, 0.40, 0.58
HSL	138°, 39%, 30%
HSV	138°, 57%, 42%
XYZ	7.2003, 11.2510, 6.6381
YIQ	83.2720, -22.2780, -25.7820

Conversions

Conversions Part 2

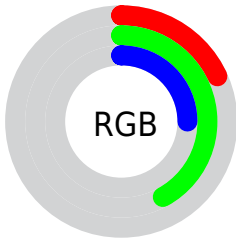
Format	Color
RYB	46, 92, 106
Decimal	3041856
CIELab	40.00, -29.82, 17.84
CIElCh	40, 34.744, 149.111
Yxy	11.2510, 0.2870, 0.4484
Android (android.graphics.Color)	4281231936 (0xFF2E6A40)
YUV	83.2720, -9.5011, -32.6875
Hunter-Lab	33.5425, -20.3822, 11.7462

Details

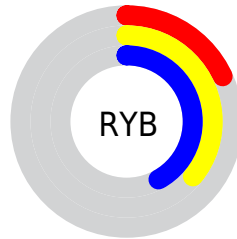
The CIELCh color **40, 34.744, 149.111** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **29, 34.932, 338.510**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 34.926, 149.041**, and **20, 33.159, 145.995** is the 20% darker color. If you saturate the color by 10%, you get **40, 40.102, 147.730**, and if you desaturate by 10%, it is **41, 28.996, 150.330**.

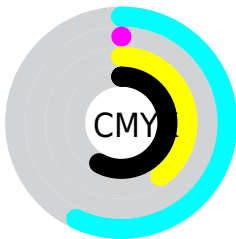
Distribution



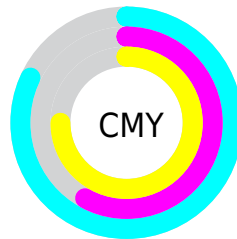
- Red (18%)
- Green (42%)
- Blue (25%)



- Red (18%)
- Yellow (36%)
- Blue (42%)



- Cyan (57%)
- Magenta (0%)
- Yellow (40%)
- Black (58%)





- Cyan (82%)
- Magenta (58%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 34.744, 149.111 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, 34.744, 149.111 by changing the saturation by 10% instead.


 40, 34.744,
149.111


 40, 34.744,
149.111


 100, 34.744,
149.111


 30, 34.744,
149.111

 60, 34.744,
149.111


 20, 34.744,
149.111

 70, 34.744,
149.111


 10, 34.744,
149.111

 80, 34.744,
149.111

 0, 34.744, 149.111

 90, 34.744,
149.111

 40, 34.744,

 40, 34.744,

149.111

149.111

■ 40, 40.102,
147.730

■ 41, 28.996,
150.330

■ 39, 44.966,
146.184

■ 41, 22.963,
151.399

■ 39, 49.253,
144.486

■ 42, 16.751,
152.336

■ 39, 52.986,
142.767

■ 43, 10.452,
153.161

■ 39, 54.182,
142.265

■ 44, 4.145, 153.911

■ 45, 2.108, 334.393

■ 46, 8.259, 335.033

■ 48, 14.275,
335.548

■ 49, 20.135,

336.006

Harmonies

Complementary

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



40, 34.744, 149.111



29, 34.932, 338.510

Rectangle

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



40, 34.744, 149.111



40, 34.744, 199.111



40, 34.744, 329.111



40, 34.744, 19.111

Sweetspot

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



40, 34.745, 149.111



55, 13.256, 153.095



42, 35.448, 118.846



28, 8.803, 152.988



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 34.745, 149.111



51, 50.366, 147.244



41, 22.706, 177.872



22, 3.553, 153.736



43, 58.575, 142.012



85, 103.694, 140.779

Inverse Universe

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



29, 34.932, 338.510



35, 49.802, 339.824



28, 28.637, 10.980



21, 3.571, 334.826



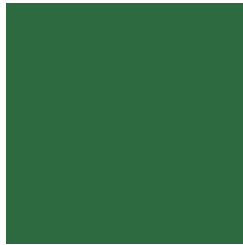
25, 52.402, 344.034



54, 89.197, 345.280

Previews

White Background



This preview shows how the CIELCh color 40, 34.744, 149.111 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, 34.744, 149.111 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, 34.744, 149.111

Background



This preview shows how black text looks on a background with the CIELCh color 40, 34.744, 149.111.



This preview shows how white text looks on a background with the CIELCh color 40, 34.744, 149.111.

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, 34.744, 149.111

Protanopia

40, 21.368, 96.625

Deuteranopia

40, 16.765, 72.038



Tritanopia
40, 15.575, 216.142

Trichromacy



Original Color
40, 34.744, 149.111

Protanomaly
39, 23.304, 124.946

Deuteranomaly
39, 17.945, 120.585

Tritanomaly
40, 19.309, 178.557

Monochromacy



Original Color
40, 34.744, 149.111

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 12.948, 152.120

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 34.744, 149.111 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(46, 106, 64)` looks like.

```
.text, #text, p{  
    color:rgb(46, 106, 64)  
}
```

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(46, 106, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 106, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 34.744, 149.111 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(46, 106, 64) }
```

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

```
.border{ border-color:rgb(46, 106, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 106, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 106, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 106, 64);  
box-shadow:4px 4px 4px 4px rgb(46, 106,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 34.744, 149.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 106, 64) }
```

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

```
.background{ background-color: rgb(46, 106,  
64) }
```

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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