

Converting Colors

CIELCh(40, 35.366, 154.239)

Have a look what the booklet for
CIELCh(40, 35.366, 154.239)
contains.

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Color

CIELCh(40, 35.497, 154.045)

Conversions

Conversions Part 1

Format	Color
Hex	246B44
RGB	36, 107, 68
RGB Percent	14%, 42%, 27%
CMY	0.8599, 0.5813, 0.7342
CMYK	0.67, 0.00, 0.37, 0.58
HSL	147°, 50%, 28%
HSV	147°, 67%, 42%
XYZ	6.9879, 11.2510, 7.2374
YIQ	81.3250, -29.7970, -27.1810

Conversions

Conversions Part 2

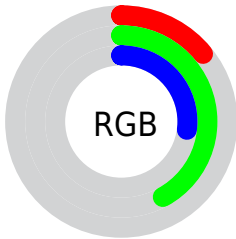
Format	Color
R_{YB}	36, 85, 107
Decimal	2386756
CIE _{Lab}	40.00, -31.92, 15.54
CIE _{LCh}	40, 35.497, 154.045
Yxy	11.2510, 0.2743, 0.4416
Android (android.graphics.Color)	4280576836 (0xFF246B44)
YUV	81.3250, -6.5692, -39.7500
Hunter-Lab	33.5425, -21.5123, 10.6869

Details

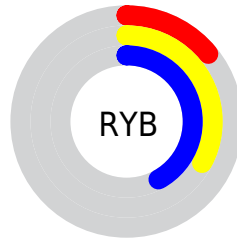
The CIELCh color **40, 35.497, 154.045** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **26, 36.693, 348.034**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 35.699, 153.897**, and **21, 31.879, 148.371** is the 20% darker color. If you saturate the color by 10%, you get **40, 39.742, 152.409**, and if you desaturate by 10%, it is **40, 30.819, 155.499**.

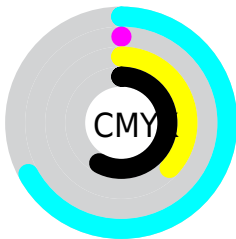
Distribution



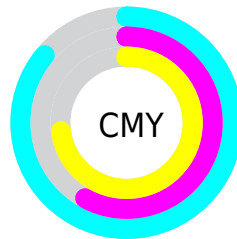
- Red (14%)
- Green (42%)
- Blue (27%)



- Red (14%)
- Yellow (33%)
- Blue (42%)



- Cyan (67%)
- Magenta (0%)
- Yellow (37%)
- Black (58%)





- Cyan (86%)
- Magenta (58%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 35.497, 154.045 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, 35.497, 154.045 by changing the saturation by 10% instead.


 40, 35.497,
154.045


 40, 35.497,
154.045


 100, 35.497,
154.045


 30, 35.497,
154.045

 60, 35.497,
154.045


 20, 35.497,
154.045

 70, 35.497,
154.045


 10, 35.497,
154.045

 80, 35.497,
154.045

 0, 35.497, 154.045

 90, 35.497,
154.045

 40, 35.497,

 40, 35.497,

154.045

154.045

■ 40, 39.742,
152.409

■ 40, 30.819,
155.499

■ 39, 43.502,
150.586

■ 41, 25.778,
156.785

■ 39, 46.845,
148.674

■ 42, 20.461,
157.924

■ 39, 47.980,
148.072

■ 43, 14.953,
158.938

■ 43, 9.337, 159.847

■ 44, 3.682, 160.695

■ 46, 1.953, 341.231

■ 47, 7.522, 341.989

■ 48, 12.993,
342.611

Harmonies

Complementary

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



40, 35.497, 154.045



26, 36.693, 348.034

Rectangle

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



40, 35.497, 154.045



40, 35.497, 204.045



40, 35.497, 334.045



40, 35.497, 24.045

Sweetspot

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



40, 35.497, 154.045



55, 13.913, 159.494



41, 42.581, 124.562



28, 9.417, 159.310



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, 35.497, 154.045



51, 50.300, 151.409



41, 23.023, 191.293



22, 3.178, 160.488



43, 51.582, 147.811



85, 91.469, 146.395

Inverse Universe

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



26, 36.693, 348.034



32, 50.563, 350.978



25, 35.200, 24.781



21, 3.209, 341.736



24, 48.581, 355.855



53, 82.917, 358.176

Previews

White Background



This preview shows how the CIE LCh color 40, 35.497, 154.045 looks on a white background.

Color Contrast Check

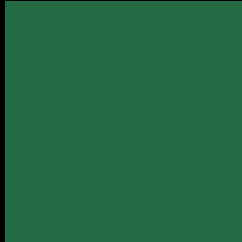
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.497, 154.045 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, 35.497, 154.045

Background



This preview shows how black text looks on a background with the CIELCh color 40, 35.497, 154.045.



This preview shows how white text looks on a background with the CIELCh color 40, 35.497, 154.045.

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, 35.497, 154.045

Protanopia
40, 19.636, 96.075

Deuteranopia
40, 14.470, 68.600



Tritanopia
40, 17.847, 213.476

Trichromacy



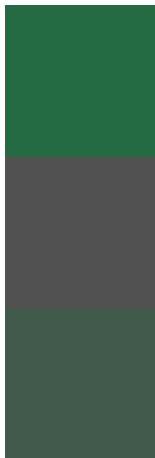
Original Color
40, 35.497, 154.045

Protanomaly
39, 23.018, 130.965

Deuteranomaly
39, 16.778, 127.909

Tritanomaly
40, 21.619, 182.004

Monochromacy



Original Color
40, 35.497, 154.045

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 13.712, 158.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 35.497, 154.045 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(36, 107, 68)` looks like.

```
.text, #text, p{  
    color:rgb(36, 107, 68)  
}
```

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(36, 107, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 107, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 35.497, 154.045 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(36, 107, 68) }
```

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

```
.border{ border-color:rgb(36, 107, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 107, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 107, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 107, 68);  
box-shadow:4px 4px 4px 4px rgb(36, 107,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 35.497, 154.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 107, 68) }
```

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

```
.background{ background-color: rgb(36, 107,  
68) }
```

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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