

Converting Colors

CIELCh(40, 35.880, 147.041)

Have a look what the booklet for
CIELCh(40, 35.880, 147.041)
contains.

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Color

CIELCh(40, 35.914, 146.984)

Conversions

Conversions Part 1

Format	Color
Hex	2F6A3D
RGB	47, 106, 61
RGB Percent	18%, 42%, 24%
CMY	0.8157, 0.5843, 0.7608
CMYK	0.56, 0.00, 0.42, 0.58
HSL	134°, 39%, 30%
HSV	134°, 56%, 42%
XYZ	7.1698, 11.2510, 6.2095
YIQ	83.2290, -20.7190, -26.5030

Conversions

Conversions Part 2

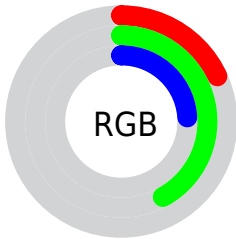
Format	Color
R_{YB}	47, 95, 106
Decimal	3107389
CIE _{Lab}	40.00, -30.11, 19.57
CIE _{LCh}	40, 35.914, 146.984
Yxy	11.2510, 0.2911, 0.4568
Android (android.graphics.Color)	4281297469 (0xFF2F6A3D)
YUV	83.2290, -10.9589, -31.7728
Hunter-Lab	33.5425, -20.5442, 12.5037




Details

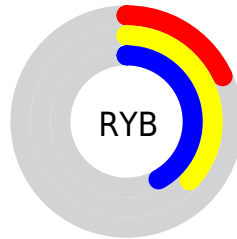
The CIELCh color $40, 35.914, 146.984$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $29, 35.871, 335.591$, and the grayscale version is $35, 0.005, 296.813$.




A 20% lighter version of the original color is $60, 36.008, 146.981$, and $20, 34.513, 144.166$ is the 20% darker color. If you saturate the color by 10%, you get $39, 41.582, 145.661$, and if you desaturate by 10%, it is $41, 29.837, 148.154$.

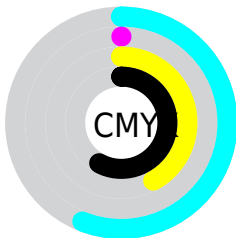
Distribution







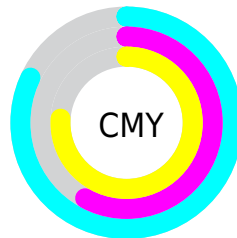
-  Red (18%)
-  Green (42%)
-  Blue (24%)






-  Red (18%)
-  Yellow (37%)
-  Blue (42%)



-  Cyan (56%)
-  Magenta (0%)
-  Yellow (42%)
-  Black (58%)





-  Cyan (82%)
-  Magenta (58%)
-  Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 35.914, 146.984 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, 35.914, 146.984 by changing the saturation by 10% instead.


 40, 35.914,
146.984


 40, 35.914,
146.984


 100, 35.914,
146.984


 30, 35.914,
146.984

 60, 35.914,
146.984


 20, 35.914,
146.984

 70, 35.914,
146.984

 10, 35.914,
146.984

 80, 35.914,
146.984

 0, 35.914, 146.984

 90, 35.914,
146.984

 40, 35.914,

 40, 35.914,

146.984

146.984

■ 39, 41.582,
145.661

■ 41, 29.837,
148.154

■ 39, 46.717,
144.190

■ 41, 23.471,
149.180

■ 39, 51.210,
142.596

■ 42, 16.930,
150.076

■ 39, 55.026,
140.995

■ 43, 10.314,
150.861

■ 39, 56.546,
140.420

■ 44, 3.705, 151.574

■ 45, 2.833, 332.043

■ 47, 9.253, 332.616

■ 48, 15.522,
333.088

■ 49, 21.620,

Harmonies

Complementary

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



40, 35.914, 146.984



29, 35.871, 335.591

Rectangle

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



40, 35.914, 146.984



40, 35.914, 196.984



40, 35.914, 326.984



40, 35.914, 16.984

Sweetspot

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



40, 35.915, 146.984



55, 13.889, 150.726



42, 34.495, 116.015



28, 9.224, 150.624



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, 35.915, 146.984



51, 52.210, 145.206



41, 23.647, 172.671



22, 3.721, 151.339



43, 61.087, 140.191



85, 107.858, 139.095

Inverse Universe

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



29, 35.871, 335.591



35, 51.312, 336.654



28, 28.280, 5.695



21, 3.735, 332.373



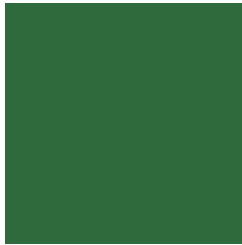
25, 54.627, 339.912



55, 93.104, 340.789

Previews

White Background



This preview shows how the CIELCh color 40, 35.914, 146.984 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, 35.914, 146.984 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, 35.914, 146.984

Background



This preview shows how black text looks on a background with the CIELCh color 40, 35.914, 146.984.



This preview shows how white text looks on a background with the CIELCh color 40, 35.914, 146.984.

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, 35.914, 146.984

Protanopia

40, 23.179, 95.878

Deuteranopia

40, 18.591, 73.667



Tritanopia
40, 15.148, 219.266

Trichromacy



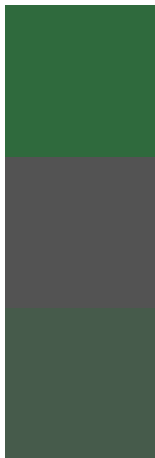
Original Color
40, 35.914, 146.984

Protanomaly
39, 24.815, 122.604

Deuteranomaly
39, 19.572, 117.959

Tritanomaly
40, 18.758, 178.021

Monochromacy



Original Color
40, 35.914, 146.984

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 13.416, 150.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 35.914, 146.984 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(47, 106, 61)` looks like.

```
.text, #text, p{  
    color:rgb(47, 106, 61)  
}
```

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(47, 106, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 106, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 35.914, 146.984 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(47, 106, 61) }
```

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

```
.border{ border-color:rgb(47, 106, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 106, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 106, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 106, 61);  
box-shadow:4px 4px 4px 4px rgb(47, 106,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 35.914, 146.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 106, 61) }
```

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

```
.background{ background-color: rgb(47, 106,  
61) }
```

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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