

Converting Colors

CIELCh(41, 42.039, 142.852)

Have a look what the booklet for
CIELCh(41, 42.039, 142.852)
contains.

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Color

CIELCh(41, 41.814, 143.048)

Conversions

Conversions Part 1

Format	Color
Hex	2D6D35
RGB	45, 109, 53
RGB Percent	18%, 43%, 21%
CMY	0.8216, 0.5708, 0.7905
CMYK	0.58, 0.00, 0.51, 0.57
HSL	127°, 41%, 30%
HSV	127°, 58%, 43%
XYZ	7.2731, 11.8645, 5.3251
YIQ	83.4800, -20.1680, -30.9840

Conversions

Conversions Part 2

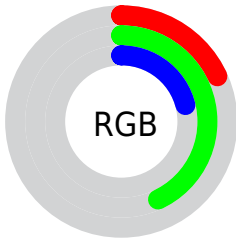
Format	Color
R_{YB}	45, 102, 109
Decimal	2977077
CIE _{Lab}	41.00, -33.42, 25.14
CIE _{LCh}	41, 41.814, 143.048
Yxy	11.8645, 0.2973, 0.4850
Android (android.graphics.Color)	4281167157 (0xFF2D6D35)
YUV	83.4800, -15.0266, -33.7470
Hunter-Lab	34.4449, -22.5879, 14.9454




Details

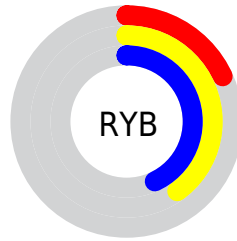
The CIELCh color **41, 41.814, 143.048** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **30, 41.399, 331.316**, and the grayscale version is **36, 0.005, 296.813**.




A 20% lighter version of the original color is **61, 41.644, 143.168**, and **21, 39.410, 139.438** is the 20% darker color. If you saturate the color by 10%, you get **41, 47.867, 141.787**, and if you desaturate by 10%, it is **42, 35.197, 144.194**.

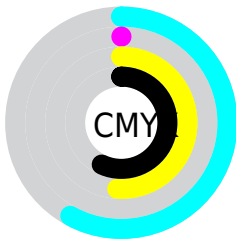
Distribution







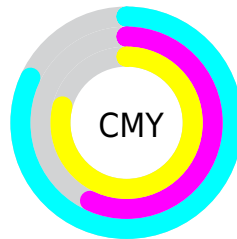
-  Red (18%)
-  Green (43%)
-  Blue (21%)






-  Red (18%)
-  Yellow (40%)
-  Blue (43%)



-  Cyan (58%)
-  Magenta (0%)
-  Yellow (51%)
-  Black (57%)





-  Cyan (82%)
-  Magenta (57%)
-  Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 41.814, 143.048 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 41, 41.814, 143.048 by changing the saturation by 10% instead.


 41, 41.814,
143.048


 41, 41.814,
143.048


 100, 41.814,
143.048


 31, 41.814,
143.048

 61, 41.814,
143.048


 21, 41.814,
143.048

 71, 41.814,
143.048

 11, 41.814,
143.048

 81, 41.814,
143.048

 1, 41.814, 143.048

 91, 41.814,
143.048

 0, 41.814, 143.048

 41, 41.814,

 41, 41.814,

143.048

143.048

■ 41, 47.867,
141.787

■ 42, 35.197,
144.194

■ 40, 53.175,
140.448

■ 42, 28.184,
145.211

■ 40, 57.555,
139.103

■ 43, 20.927,
146.100

■ 40, 60.968,
137.990

■ 44, 13.557,
146.873

■ 40, 61.428,
137.871

■ 45, 6.176, 147.553

■ 46, 1.134, 327.931

■ 48, 8.315, 328.568

■ 49, 15.327,
329.007

■ 51, 22.143,

Harmonies

Complementary

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



41, 41.814, 143.048



30, 41.399, 331.316

Rectangle

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



41, 41.814, 143.048



41, 41.814, 193.048



41, 41.814, 323.048



41, 41.814, 13.048

Sweetspot

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



41, 41.815, 143.048



57, 16.453, 146.870



44, 36.448, 110.558



29, 11.360, 146.705



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



41, 41.815, 143.048



52, 60.292, 141.329



42, 27.980, 164.230



22, 4.037, 147.521



42, 64.703, 137.759



85, 113.350, 137.015

Inverse Universe

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



30, 41.399, 331.316



36, 58.717, 332.058



28, 31.260, 357.729



21, 4.047, 328.477



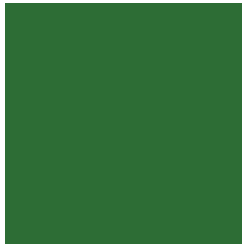
26, 59.309, 333.625



56, 101.502, 333.988

Previews

White Background



This preview shows how the CIELCh color 41, 41.814, 143.048 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 41, 41.814, 143.048 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 41, 41.814, 143.048

Background



This preview shows how black text looks on a background with the CIELCh color 41, 41.814, 143.048.



This preview shows how white text looks on a background with the CIELCh color 41, 41.814, 143.048.

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

41, 41.814, 143.048

Protanopia

41, 28.222, 95.953

Deuteranopia

41, 24.013, 76.798



Tritanopia
41, 15.579, 216.087

Trichromacy



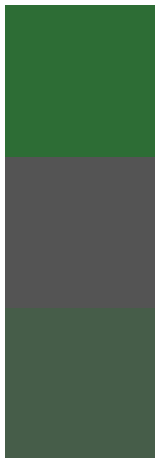
Original Color
41, 41.814, 143.048

Protanomaly
40, 30.360, 120.808

Deuteranomaly
40, 25.119, 113.825

Tritanomaly
41, 21.116, 171.234

Monochromacy



Original Color
41, 41.814, 143.048

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 15.836, 146.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 41.814, 143.048 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(45, 109, 53)` looks like.

```
.text, #text, p{  
    color:rgb(45, 109, 53)  
}
```

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(45, 109, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 109, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 41.814, 143.048 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(45, 109, 53) }
```

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

```
.border{ border-color:rgb(45, 109, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 109, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 109, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 109, 53);  
box-shadow:4px 4px 4px 4px rgb(45, 109,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 41.814, 143.048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 109, 53) }
```

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

```
.background{ background-color: rgb(45, 109,  
53) }
```

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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