

Converting Colors

CIELCh(41, 39.168, 146.382)

Have a look what the booklet for
CIELCh(41, 39.168, 146.382)
contains.

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Color

CIELCh(41, 38.834, 146.755)

Conversions

Conversions Part 1

Format	Color
Hex	2C6D3C
RGB	44, 109, 60
RGB Percent	17%, 43%, 24%
CMY	0.8263, 0.5715, 0.7638
CMYK	0.59, 0.00, 0.45, 0.57
HSL	135°, 42%, 30%
HSV	135°, 59%, 43%
XYZ	7.3699, 11.8645, 6.2103
YIQ	83.9790, -23.0110, -29.0190

Conversions

Conversions Part 2

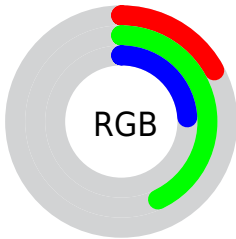
Format	Color
R_{YB}	44, 96, 109
Decimal	2911548
CIE _{Lab}	41.00, -32.48, 21.29
CIE _{LCh}	41, 38.834, 146.755
Y _{xy}	11.8645, 0.2896, 0.4663
Android (android.graphics.Color)	4281101628 (0xFF2C6D3C)
YUV	83.9790, -11.8216, -35.0616
Hunter-Lab	34.4449, -22.0866, 13.4217

Details

The CIELCh color $41, 38.834, 146.755$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $29, 38.676, 336.272$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $61, 38.767, 146.766$, and $21, 36.082, 143.156$ is the 20% darker color. If you saturate the color by 10%, you get $41, 44.407, 145.359$, and if you desaturate by 10%, it is $42, 32.795, 147.996$.

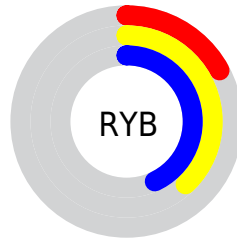
Distribution



Red (17%)

Green (43%)

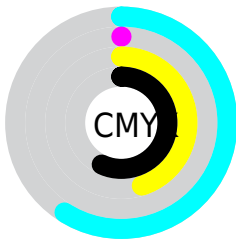
Blue (24%)



Red (17%)

Yellow (38%)

Blue (43%)

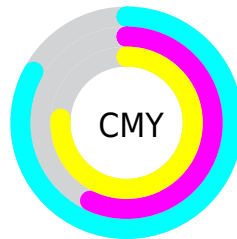


Cyan (59%)

Magenta (0%)

Yellow (45%)

Black (57%)



Cyan (83%)


Magenta (57%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 38.834, 146.755 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, 38.834, 146.755 by changing the saturation by 10% instead.


 41, 38.834,
146.755


 41, 38.834,
146.755


 100, 38.834,
146.755


 31, 38.834,
146.755

 61, 38.834,
146.755


 21, 38.834,
146.755

 71, 38.834,
146.755


 11, 38.834,
146.755


 81, 38.834,
146.755

 1, 38.834, 146.755

 91, 38.834,
146.755

 0, 38.834, 146.755

 41, 38.834,

 41, 38.834,

146.755

146.755

■ 41, 44.407,
145.359

■ 42, 32.795,
147.996

■ 40, 49.392,
143.817

■ 42, 26.412,
149.085

■ 40, 53.689,
142.164

■ 43, 19.807,
150.037

■ 40, 57.381,
140.642

■ 44, 13.086,
150.870

■ 40, 57.564,
140.574

■ 45, 6.341, 151.608

■ 46, 0.356, 331.624

■ 47, 6.949, 332.731

■ 49, 13.400,
333.236

■ 50, 19.683,

Harmonies

Complementary

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



41, 38.834, 146.755



29, 38.676, 336.272

Rectangle

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



41, 38.834, 146.755



41, 38.834, 196.755



41, 38.834, 326.755



41, 38.834, 16.755

Sweetspot

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



41, 38.835, 146.755



57, 15.062, 150.945



44, 37.510, 115.838



29, 10.398, 150.769



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, 38.835, 146.755



52, 56.019, 144.839



42, 25.556, 172.153



22, 3.698, 151.645



43, 60.772, 140.414



85, 107.345, 139.297

Inverse Universe

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



29, 38.676, 336.272



35, 54.649, 337.432



28, 30.938, 6.591



21, 3.713, 332.686



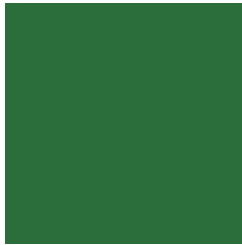
25, 54.314, 340.432



55, 92.550, 341.355

Previews

White Background



This preview shows how the CIELCh color 41, 38.834, 146.755 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 41, 38.834, 146.755 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, 38.834, 146.755

Background



This preview shows how black text looks on a background with the CIELCh color 41, 38.834, 146.755.



This preview shows how white text looks on a background with the CIELCh color 41, 38.834, 146.755.

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, 38.834, 146.755

Protanopia

41, 24.899, 95.278

Deuteranopia

41, 20.341, 75.021



Tritanopia
41, 16.201, 217.621

Trichromacy



Original Color
41, 38.834, 146.755

Protanomaly
40, 27.155, 122.914

Deuteranomaly
40, 21.318, 118.112

Tritanomaly
41, 20.691, 176.189

Monochromacy



Original Color
41, 38.834, 146.755

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 14.866, 149.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 38.834, 146.755 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(44, 109, 60)` looks like.

```
.text, #text, p{  
    color:rgb(44, 109, 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(44, 109, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 109, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 38.834, 146.755 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(44, 109, 60) }
```

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

```
.border{ border-color:rgb(44, 109, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 109, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 109, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 109, 60);  
box-shadow:4px 4px 4px 4px rgb(44, 109,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 38.834, 146.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 109, 60) }
```

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

```
.background{ background-color: rgb(44, 109,  
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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