

Converting Colors

CIELCh(40, 54.585, 150.016)

Have a look what the booklet for
CIELCh(40, 54.585, 150.016)
contains.

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Color

CIELCh(41, 50.734, 146.736)

Conversions

Conversions Part 1

Format	Color
Hex	037030
RGB	3, 112, 48
RGB Percent	1%, 44%, 19%
CMY	0.9891, 0.5600, 0.8114
CMYK	0.98, 0.00, 0.57, 0.56
HSL	145°, 95%, 23%
HSV	145°, 98%, 44%
XYZ	6.3861, 11.8645, 4.7586
YIQ	72.1130, -44.4200, -43.0120

Conversions

Conversions Part 2

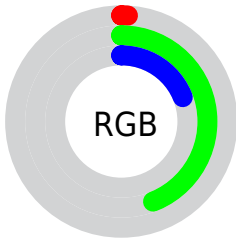
Format	Color
R_YB	3, 80, 112
Decimal	225328
CIE _{Lab}	41.00, -42.42, 27.83
CIE _{LCh}	41, 50.734, 146.736
Yxy	11.8645, 0.2775, 0.5156
Android (android.graphics.Color)	4278415408 (0xFF037030)
YUV	72.1130, -11.8877, -60.6121
Hunter-Lab	34.4449, -27.1845, 15.9204

Details

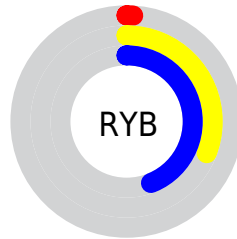
The CIELCh color **41, 50.734, 146.736** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 47.378, 351.983**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 50.623, 146.691**, and **22, 43.085, 137.148** is the 20% darker color. If you saturate the color by 10%, you get **41, 51.591, 146.311**, and if you desaturate by 10%, it is **41, 47.179, 148.637**.

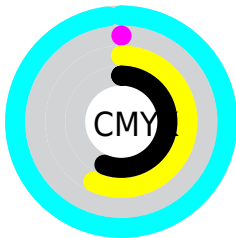
Distribution



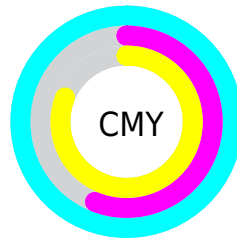
- Red (1%)
- Green (44%)
- Blue (19%)



- Red (1%)
- Yellow (31%)
- Blue (44%)



- Cyan (98%)
- Magenta (0%)
- Yellow (57%)
- Black (56%)





- Cyan (99%)
- Magenta (56%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 50.734, 146.736 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, 50.734, 146.736 by changing the saturation by 10% instead.


 41, 50.734,
146.736


 41, 50.734,
146.736


 100, 50.734,
146.736


 31, 50.734,
146.736

 61, 50.734,
146.736


 21, 50.734,
146.736

 71, 50.734,
146.736

 11, 50.734,
146.736


 81, 50.734,
146.736

 1, 50.734, 146.736

 91, 50.734,
146.736

 0, 50.734, 146.736

 41, 50.734,

 41, 50.734,

146.736

146.736

■ 41, 51.591,
146.311

■ 41, 47.179,
148.637

■ 42, 43.175,
150.477

■ 42, 38.643,
152.134

■ 42, 33.637,
153.607

■ 43, 28.236,
154.908

■ 44, 22.535,
156.055

■ 45, 16.628,
157.069

■ 45, 10.606,
157.973

Harmonies

Complementary

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



41, 50.734, 146.736



23, 47.378, 351.983

Rectangle

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



41, 50.734, 146.736



41, 50.734, 196.736



41, 50.734, 326.736



41, 50.734, 16.736

Sweetspot

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



41, 50.734, 146.736



57, 21.636, 156.854



43, 56.497, 123.507



29, 14.935, 156.520



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



41, 50.734, 146.736



53, 63.018, 145.684



42, 29.629, 183.074



23, 3.396, 158.682



44, 54.280, 146.137



86, 95.456, 144.792

Inverse Universe

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



23, 47.378, 351.983



31, 57.330, 353.442



22, 51.484, 32.525



22, 3.424, 339.903



25, 50.029, 352.796



54, 84.634, 354.783

Previews

White Background



This preview shows how the CIELCh color 41, 50.734, 146.736 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, 50.734, 146.736 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, 50.734, 146.736

Background



This preview shows how black text looks on a background with the CIELCh color 41, 50.734, 146.736.



This preview shows how white text looks on a background with the CIELCh color 41, 50.734, 146.736.

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, 50.646, 146.726

Protanopia

41, 31.926, 96.481

Deuteranopia

41, 26.364, 77.886



Tritanopia
41, 19.931, 213.366

Trichromacy



Original Color
41, 50.646, 146.726

Protanomaly
40, 37.060, 129.582

Deuteranomaly
39, 29.750, 126.616

Tritanomaly
41, 28.422, 173.396

Monochromacy



Original Color
41, 50.646, 146.726

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 22.481, 154.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 50.734, 146.736 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(3, 112, 48)` looks like.

```
.text, #text, p{  
    color:rgb(3, 112, 48)  
}
```

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(3, 112, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 112, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 50.734, 146.736 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(3, 112, 48) }
```

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

```
.border{ border-color:rgb(3, 112, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 112, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 112, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 112, 48);  
box-shadow:4px 4px 4px 4px rgb(3, 112, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 50.734, 146.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 112, 48) }
```

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

```
.background{ background-color: rgb(3, 112,  
48) }
```

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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