

Converting Colors

CIELCh(40, 49.821, 144.695)

Have a look what the booklet for
CIELCh(40, 49.821, 144.695)
contains.

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Color

CIELCh(40, 49.788, 144.701)

Conversions

Conversions Part 1

Format	Color
Hex	106D2C
RGB	16, 109, 44
RGB Percent	6%, 43%, 17%
CMY	0.9366, 0.5722, 0.8271
CMYK	0.85, 0.00, 0.60, 0.57
HSL	138°, 74%, 25%
HSV	138°, 85%, 43%
XYZ	6.1512, 11.2510, 4.2385
YIQ	73.7830, -34.5630, -39.9310

Conversions

Conversions Part 2

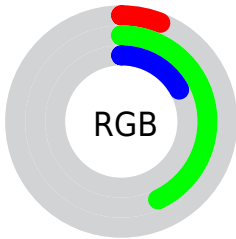
Format	Color
RYB	16, 87, 109
Decimal	1076524
CIELab	40.00, -40.63, 28.77
CIELCh	40, 49.788, 144.701
Yxy	11.2510, 0.2842, 0.5199
Android (android.graphics.Color)	4279266604 (0xFF106D2C)
YUV	73.7830, -14.6830, -50.6757
Hunter-Lab	33.5425, -25.9648, 15.9877

Details

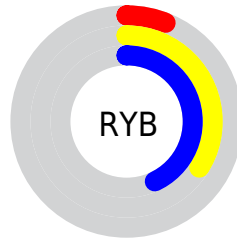
The CIELCh color **40, 49.788, 144.701** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **24, 47.280, 341.723**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 50.018, 144.879**, and **21, 41.830, 137.211** is the 20% darker color. If you saturate the color by 10%, you get **40, 53.648, 142.941**, and if you desaturate by 10%, it is **40, 45.325, 146.389**.

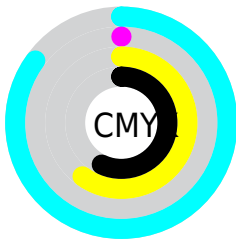
Distribution



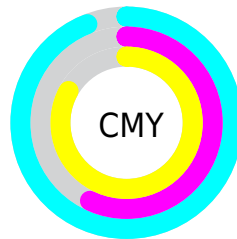
- Red (6%)
- Green (43%)
- Blue (17%)



- Red (6%)
- Yellow (34%)
- Blue (43%)



- Cyan (85%)
- Magenta (0%)
- Yellow (60%)
- Black (57%)





- Cyan (94%)
- Magenta (57%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 49.788, 144.701 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, 49.788, 144.701 by changing the saturation by 10% instead.


 40, 49.788,
144.701


 40, 49.788,
144.701


 100, 49.788,
144.701


 30, 49.788,
144.701

 60, 49.788,
144.701


 20, 49.788,
144.701

 70, 49.788,
144.701

 10, 49.788,
144.701

 80, 49.788,
144.701

 0, 49.788, 144.701

 90, 49.788,
144.701

 40, 49.788,

 40, 49.788,

144.701

144.701

■ 40, 53.648,
142.941

■ 40, 45.325,
146.389

■ 40, 55.390,
142.200

■ 41, 40.278,
147.921

■ 41, 34.737,
149.286

■ 42, 28.807,
150.489

■ 43, 22.600,
151.543

■ 43, 16.222,
152.467

■ 44, 9.767, 153.282

■ 45, 3.313, 154.034

Harmonies

Complementary

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



40, 49.788, 144.701



24, 47.280, 341.723

Rectangle

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



40, 49.788, 144.701



40, 49.788, 194.701



40, 49.788, 324.701



40, 49.788, 14.701

Sweetspot

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



40, 49.788, 144.701



56, 20.891, 152.332



42, 50.024, 118.552



28, 14.056, 152.106



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 49.788, 144.701



52, 68.150, 141.599



41, 30.462, 174.081



22, 3.552, 153.749



43, 58.561, 142.022



85, 103.670, 140.788

Inverse Universe

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



24, 47.280, 341.723



31, 60.164, 344.465



23, 42.847, 20.137



21, 3.570, 334.839



25, 52.392, 344.057



54, 89.178, 345.305

Previews

White Background



This preview shows how the CIELCh color 40, 49.788, 144.701 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, 49.788, 144.701 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, 49.788, 144.701

Background



This preview shows how black text looks on a background with the CIELCh color 40, 49.788, 144.701.



This preview shows how white text looks on a background with the CIELCh color 40, 49.788, 144.701.

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, 49.788, 144.701

Protanopia

40, 32.109, 95.443

Deuteranopia

40, 27.260, 79.541



Tritanopia
40, 18.807, 214.526

Trichromacy



Original Color
40, 49.788, 144.701

Protanomaly
39, 35.807, 124.704

Deuteranomaly
39, 30.115, 121.873

Tritanomaly
40, 26.784, 171.955

Monochromacy



Original Color
40, 49.788, 144.701

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 20.899, 151.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 49.788, 144.701 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(16, 109, 44)` looks like.

```
.text, #text, p{  
    color:rgb(16, 109, 44)  
}
```

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(16, 109, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 109, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 49.788, 144.701 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(16, 109, 44) }
```

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

```
.border{ border-color:rgb(16, 109, 44) }
```

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

Here you see how a box with a 4 pixel rgb(16, 109, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 109, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 109, 44);  
box-shadow:4px 4px 4px 4px rgb(16, 109,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 49.788, 144.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 109, 44) }
```

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

```
.background{ background-color: rgb(16, 109,  
44) }
```

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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