

Converting Colors

CIELCh(40, 46.289, 150.364)

Have a look what the booklet for
CIELCh(40, 46.289, 150.364)
contains.

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Color

CIELCh(40, 46.110, 150.438)

Conversions

Conversions Part 1

Format	Color
Hex	026D37
RGB	2, 109, 55
RGB Percent	1%, 43%, 22%
CMY	0.9912, 0.5721, 0.7839
CMYK	0.98, 0.00, 0.50, 0.57
HSL	150°, 96%, 22%
HSV	150°, 98%, 43%
XYZ	6.1998, 11.2510, 5.4712
YIQ	70.8510, -46.4380, -39.4780

Conversions

Conversions Part 2

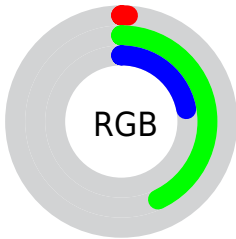
Format	Color
RYB	2, 74, 109
Decimal	159031
CIELab	40.00, -40.11, 22.75
CIELCh	40, 46.110, 150.438
Yxy	11.2510, 0.2705, 0.4908
Android (android.graphics.Color)	4278349111 (0xFF026D37)
YUV	70.8510, -7.8145, -60.3823
Hunter-Lab	33.5425, -25.7064, 13.8087

Details

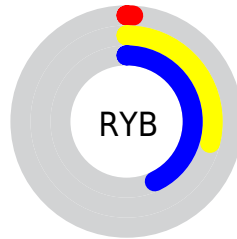
The CIELCh color $40, 46.110, 150.438$ is a dark color, and the websafe version is hex 006633 . A complement of this color would be $22, 45.218, 358.726$, and the grayscale version is $30, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 46.296, 150.455$, and $21, 38.396, 140.482$ is the 20% darker color. If you saturate the color by 10%, you get $40, 46.758, 150.075$, and if you desaturate by 10%, it is $40, 42.932, 152.366$.

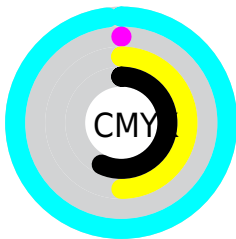
Distribution



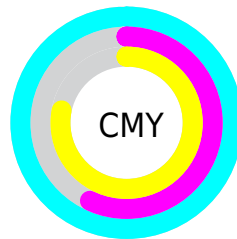
- Red (1%)
- Green (43%)
- Blue (22%)



- Red (1%)
- Yellow (29%)
- Blue (43%)



- Cyan (98%)
- Magenta (0%)
- Yellow (50%)
- Black (57%)




- Cyan (99%)
- Magenta (57%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 46.110, 150.438 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, 46.110, 150.438 by changing the saturation by 10% instead.

 40, 46.110,
150.438

 40, 46.110,
150.438

 100, 46.110,
150.438

 30, 46.110,
150.438

 60, 46.110,
150.438


 20, 46.110,
150.438

 70, 46.110,
150.438

 10, 46.110,
150.438

 80, 46.110,
150.438

 0, 46.110, 150.438

 90, 46.110,
150.438

 40, 46.110,

 40, 46.110,

150.438

150.438

■ 40, 46.758,
150.075

■ 40, 42.932,
152.366

■ 40, 39.385,
154.237

■ 41, 35.354,
155.918

■ 41, 30.877,
157.413

■ 42, 26.019,
158.741

■ 43, 20.862,
159.920

■ 43, 15.490,
160.972

■ 44, 9.985, 161.921

Harmonies

Complementary

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



40, 46.110, 150.438



22, 45.218, 358.726

Rectangle

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



40, 46.110, 150.438



40, 46.110, 200.438



40, 46.110, 330.438



40, 46.110, 20.438

Sweetspot

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



40, 46.110, 150.438



56, 20.023, 160.785



41, 56.947, 126.609



28, 13.611, 160.453



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, 46.110, 150.438



52, 57.537, 149.389



41, 26.974, 194.029



22, 3.080, 162.713



43, 49.432, 149.874



85, 87.608, 148.437

Inverse Universe

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



22, 45.218, 358.726



30, 55.190, 0.538



21, 52.347, 35.850



21, 3.115, 344.008



24, 47.984, 359.672



53, 82.126, 2.312

Previews

White Background



This preview shows how the CIELCh color 40, 46.110, 150.438 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, 46.110, 150.438 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, 46.110, 150.438

Background



This preview shows how black text looks on a background with the CIELCh color 40, 46.110, 150.438.



This preview shows how white text looks on a background with the CIELCh color 40, 46.110, 150.438.

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, 46.110, 150.438

Protanopia
40, 26.646, 95.555

Deuteranopia
40, 21.476, 76.330



Tritanopia
40, 19.847, 211.605

Trichromacy



Original Color
40, 46.110, 150.438

Protanomaly
38, 31.420, 132.933

Deuteranomaly
38, 25.798, 131.246

Tritanomaly
40, 26.678, 177.453

Monochromacy



Original Color
40, 46.110, 150.438

Achromatopsia
30, 0.005, 296.813

Achromatomaly
33, 20.492, 158.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 46.110, 150.438 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(2, 109, 55)` looks like.

```
.text, #text, p{  
    color:rgb(2, 109, 55)  
}
```

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(2, 109, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 109, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 46.110, 150.438 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(2, 109, 55) }
```

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

```
.border{ border-color:rgb(2, 109, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 109, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 109, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 109, 55);  
box-shadow:4px 4px 4px 4px rgb(2, 109, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 46.110, 150.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 109, 55) }
```

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

```
.background{ background-color: rgb(2, 109,  
55) }
```

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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