

Converting Colors

CIELCh(40, 44.376, 152.421)

Have a look what the booklet for
CIELCh(40, 44.376, 152.421)
contains.

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Color

CIELCh(40, 44.372, 152.385)

Conversions

Conversions Part 1

Format	Color
Hex	026D3B
RGB	2, 109, 59
RGB Percent	1%, 43%, 23%
CMY	0.9927, 0.5728, 0.7688
CMYK	0.98, 0.00, 0.46, 0.57
HSL	152°, 97%, 22%
HSV	152°, 98%, 43%
XYZ	6.2731, 11.2510, 5.9709
YIQ	71.3070, -47.7220, -38.2340

Conversions

Conversions Part 2

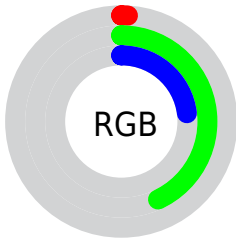
Format	Color
RYB	2, 72, 109
Decimal	159035
CIELab	40.00, -39.32, 20.57
CIElCh	40, 44.372, 152.385
Yxy	11.2510, 0.2670, 0.4789
Android (android.graphics.Color)	4278349115 (0xFF026D3B)
YUV	71.3070, -6.0674, -60.7822
Hunter-Lab	33.5425, -25.3163, 12.9256

Details

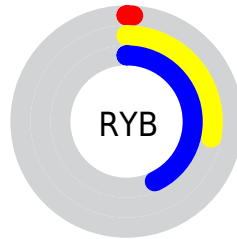
The CIELCh color **40, 44.372, 152.385** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 44.889, 2.234**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 44.624, 152.300**, and **21, 36.503, 142.641** is the 20% darker color. If you saturate the color by 10%, you get **40, 44.883, 152.081**, and if you desaturate by 10%, it is **40, 41.375, 154.316**.

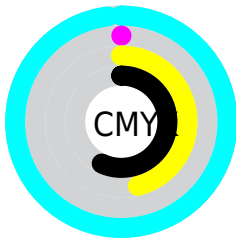
Distribution



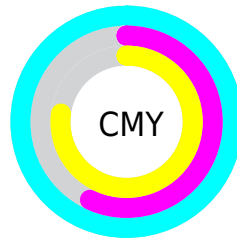
- Red (1%)
- Green (43%)
- Blue (23%)



- Red (1%)
- Yellow (28%)
- Blue (43%)



- Cyan (98%)
- Magenta (0%)
- Yellow (46%)
- Black (57%)




- Cyan (99%)
- Magenta (57%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 44.372, 152.385 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, 44.372, 152.385 by changing the saturation by 10% instead.

 40, 44.372,
152.385

 40, 44.372,
152.385


 100, 44.372,
152.385

 30, 44.372,
152.385

 60, 44.372,
152.385

 20, 44.372,
152.385

 70, 44.372,
152.385

 10, 44.372,
152.385

 80, 44.372,
152.385

 0, 44.372, 152.385

 90, 44.372,
152.385

 40, 44.372,

 40, 44.372,

152.385

■ 40, 44.883,
152.081

152.385

■ 40, 41.375,
154.316

■ 40, 38.037,
156.195

■ 41, 34.223,
157.884

■ 41, 29.965,
159.389

■ 42, 25.323,
160.728

■ 43, 20.373,
161.922

■ 43, 15.198,
162.993

■ 44, 9.878, 163.963

Harmonies

Complementary

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



40, 44.372, 152.385



22, 44.889, 2.234

Rectangle

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



40, 44.372, 152.385



40, 44.372, 202.385



40, 44.372, 332.385



40, 44.372, 22.385

Sweetspot

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



40, 44.372, 152.385



56, 19.430, 162.838



41, 57.592, 127.736



28, 13.203, 162.500



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, 44.372, 152.385



52, 55.271, 151.388



41, 26.072, 198.869



22, 2.996, 164.807



43, 47.500, 151.874



85, 84.114, 150.428

Inverse Universe

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



22, 44.889, 2.234



30, 54.884, 4.128



21, 52.554, 36.945



21, 3.036, 346.142



24, 47.668, 3.172



53, 81.856, 6.079

Previews

White Background



This preview shows how the CIELCh color 40, 44.372, 152.385 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 40, 44.372, 152.385 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, 44.372, 152.385

Background



This preview shows how black text looks on a background with the CIELCh color 40, 44.372, 152.385.



This preview shows how white text looks on a background with the CIELCh color 40, 44.372, 152.385.

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, 44.372, 152.385

Protanopia
40, 24.876, 96.276

Deuteranopia
40, 19.393, 73.356



Tritanopia
40, 20.048, 211.437

Trichromacy



Original Color
40, 44.372, 152.385

Protanomaly
38, 30.111, 135.104

Deuteranomaly
38, 23.681, 133.666

Tritanomaly
40, 26.524, 178.744

Monochromacy



Original Color
40, 44.372, 152.385

Achromatopsia
30, 0.005, 296.813

Achromatomaly
33, 19.638, 161.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 44.372, 152.385 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(2, 109, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 109, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 44.372, 152.385 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, 59) }
```

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

```
.border{ border-color:rgb(2, 109, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 109, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 109, 59);  
box-shadow:4px 4px 4px 4px rgb(2, 109, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 44.372, 152.385 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, 59) }
```

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

```
.background{ background-color: rgb(2, 109,  
59) }
```

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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