

Converting Colors

CIELCh(40, 32.359, 168.841)

Have a look what the booklet for
CIELCh(40, 32.359, 168.841)
contains.

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Color

CIELCh(40, 32.382, 168.787)

Conversions

Conversions Part 1

Format	Color
Hex	0D6B53
RGB	13, 107, 83
RGB Percent	5%, 42%, 33%
CMY	0.9482, 0.5800, 0.6741
CMYK	0.88, 0.00, 0.22, 0.58
HSL	165°, 78%, 24%
HSV	165°, 88%, 42%
XYZ	7.0032, 11.2510, 10.0065
YIQ	76.1580, -48.3200, -27.3920

Conversions

Conversions Part 2

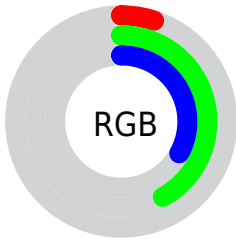
Format	Color
RYB	13, 67, 107
Decimal	879443
CIELab	40.00, -31.76, 6.30
CIELCh	40, 32.382, 168.787
Yxy	11.2510, 0.2478, 0.3981
Android (android.graphics.Color)	4279069523 (0xFF0D6B53)
YUV	76.1580, 3.3731, -55.3896
Hunter-Lab	33.5425, -21.4309, 5.7922

Details

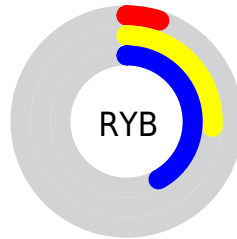
The CIELCh color **40, 32.382, 168.787** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 42.362, 16.559**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 32.403, 168.436**, and **21, 25.183, 161.117** is the 20% darker color. If you saturate the color by 10%, you get **40, 34.265, 167.066**, and if you desaturate by 10%, it is **40, 30.161, 170.427**.

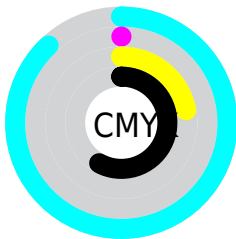
Distribution



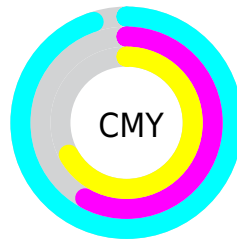
- Red (5%)
- Green (42%)
- Blue (33%)



- Red (5%)
- Yellow (26%)
- Blue (42%)



- Cyan (88%)
- Magenta (0%)
- Yellow (22%)
- Black (58%)





- Cyan (95%)
- Magenta (58%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 32.382, 168.787 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, 32.382, 168.787 by changing the saturation by 10% instead.


 40, 32.382,
168.787


 40, 32.382,
168.787


 100, 32.382,
168.787


 30, 32.382,
168.787

 60, 32.382,
168.787


 20, 32.382,
168.787

 70, 32.382,
168.787


 10, 32.382,
168.787

 80, 32.382,
168.787

 0, 32.382, 168.787

 90, 32.382,
168.787

 40, 32.382,

 40, 32.382,

168.787

168.787

■ 40, 34.265,
167.066

■ 40, 30.161,
170.427

■ 40, 34.708,
166.687

■ 41, 27.465,
171.908

■ 41, 24.310,
173.246

■ 42, 20.737,
174.463

■ 42, 16.809,
175.579

■ 43, 12.593,
176.613

■ 44, 8.159, 177.584

■ 45, 3.573, 178.533

Harmonies

Complementary

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



40, 32.382, 168.787



22, 42.362, 16.559

Rectangle

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



40, 32.382, 168.787



40, 32.382, 218.787



40, 32.382, 348.787



40, 32.382, 38.787

Sweetspot

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



40, 32.382, 168.786



55, 14.793, 176.705



40, 56.705, 133.046



28, 10.061, 176.447



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, 32.382, 168.786



52, 42.488, 166.069



33, 22.293, 236.146



22, 2.620, 178.405



43, 37.143, 166.463



86, 65.110, 165.174

Inverse Universe

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



22, 42.362, 16.559



29, 57.012, 23.594



25, 43.356, 44.407



21, 2.695, 359.831



23, 49.783, 22.478



52, 87.714, 26.088

Previews

White Background



This preview shows how the CIE LCh color 40, 32.382, 168.787 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, 32.382, 168.787 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, 32.382, 168.787

Background



This preview shows how black text looks on a background with the CIELCh color 40, 32.382, 168.787.



This preview shows how white text looks on a background with the CIELCh color 40, 32.382, 168.787.

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, 32.382, 168.787

Protanopia
40, 10.544, 96.262

Deuteranopia
40, 7.026, 40.312



Tritanopia
40, 21.174, 212.301

Trichromacy



Original Color
40, 32.382, 168.787

Protanomaly
39, 17.841, 154.146

Deuteranomaly
39, 12.353, 164.792

Tritanomaly
40, 23.805, 192.131

Monochromacy



Original Color
40, 32.382, 168.787

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 14.474, 177.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 32.382, 168.787 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(13, 107, 83)` looks like.

```
.text, #text, p{  
    color:rgb(13, 107, 83)  
}
```

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(13, 107, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 107, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 32.382, 168.787 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(13, 107, 83) }
```

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

```
.border{ border-color:rgb(13, 107, 83) }
```

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

Here you see how a box with a 4 pixel rgb(13, 107, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 107, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 107, 83);  
box-shadow:4px 4px 4px 4px rgb(13, 107,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 32.382, 168.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 107, 83) }
```

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

```
.background{ background-color: rgb(13, 107,  
83) }
```

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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