

Converting Colors

CIELCh(40, 32.916, 165.504)

Have a look what the booklet for
CIELCh(40, 32.916, 165.504)
contains.

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Color

CIELCh(40, 32.831, 165.600)

Conversions

Conversions Part 1

Format	Color
Hex	146B50
RGB	20, 107, 80
RGB Percent	8%, 42%, 31%
CMY	0.9214, 0.5803, 0.6862
CMYK	0.81, 0.00, 0.25, 0.58
HSL	161°, 68%, 25%
HSV	161°, 81%, 42%
XYZ	6.9997, 11.2510, 9.3980
YIQ	77.9090, -43.1850, -26.8410

Conversions

Conversions Part 2

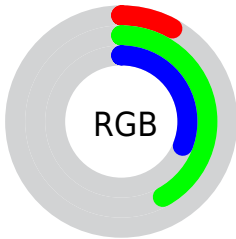
Format	Color
RYB	20, 71, 107
Decimal	1338192
CIELab	40.00, -31.80, 8.16
CIELCh	40, 32.831, 165.600
Yxy	11.2510, 0.2532, 0.4069
Android (android.graphics.Color)	4279528272 (0xFF146B50)
YUV	77.9090, 1.0309, -50.7862
Hunter-Lab	33.5425, -21.4499, 6.8677

Details

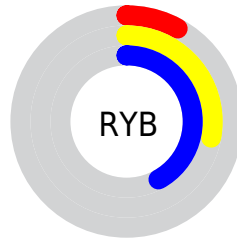
The CIELCh color **40, 32.831, 165.600** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 39.817, 9.454**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 32.758, 165.396**, and **21, 26.596, 157.856** is the 20% darker color. If you saturate the color by 10%, you get **40, 35.176, 163.784**, and if you desaturate by 10%, it is **40, 30.021, 167.236**.

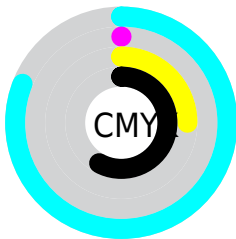
Distribution



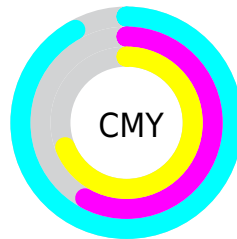
- Red (8%)
- Green (42%)
- Blue (31%)



- Red (8%)
- Yellow (28%)
- Blue (42%)



- Cyan (81%)
- Magenta (0%)
- Yellow (25%)
- Black (58%)





- Cyan (92%)
- Magenta (58%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 32.831, 165.600 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, 32.831, 165.600 by changing the saturation by 10% instead.


 40, 32.831,
165.600


 40, 32.831,
165.600


 100, 32.831,
165.600


 30, 32.831,
165.600

 60, 32.831,
165.600


 20, 32.831,
165.600


 70, 32.831,
165.600


 10, 32.831,
165.600

 80, 32.831,
165.600

 0, 32.831, 165.600

 90, 32.831,
165.600

 40, 32.831,

 40, 32.831,

165.600

165.600

■ 40, 35.176,
163.784

■ 40, 30.021,
167.236

■ 40, 37.071,
162.230

■ 41, 26.753,
168.709

■ 41, 23.065,
170.035

■ 42, 19.017,
171.238

■ 42, 14.676,
172.338

■ 43, 10.117,
173.354

■ 44, 5.406, 174.314

■ 45, 0.607, 175.627

Harmonies

Complementary

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



40, 32.831, 165.600



23, 39.817, 9.454

Rectangle

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



40, 32.831, 165.600



40, 32.831, 215.600



40, 32.831, 345.600



40, 32.831, 35.600

Sweetspot

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



40, 32.831, 165.599



56, 14.196, 173.015



40, 53.309, 131.850



28, 9.793, 172.738



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, 32.831, 165.599



52, 44.992, 161.947



35, 21.463, 225.120



22, 2.702, 174.534



43, 39.717, 161.988



86, 69.868, 160.615

Inverse Universe

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



23, 39.817, 9.454



29, 54.901, 17.854



25, 40.798, 41.050



21, 2.767, 355.968



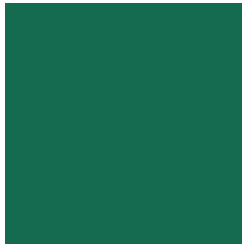
23, 48.622, 17.669



52, 85.086, 21.264

Previews

White Background



This preview shows how the CIE LCh color 40, 32.831, 165.600 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, 32.831, 165.600 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, 32.831, 165.600

Background



This preview shows how black text looks on a background with the CIELCh color 40, 32.831, 165.600.



This preview shows how white text looks on a background with the CIELCh color 40, 32.831, 165.600.

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, 32.831, 165.600

Protanopia
40, 12.414, 95.596

Deuteranopia
40, 8.413, 45.817



Tritanopia
40, 20.437, 211.120

Trichromacy



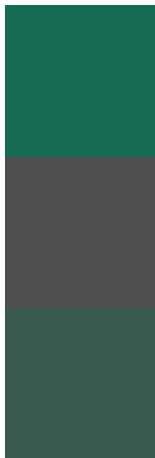
Original Color
40, 32.831, 165.600

Protanomaly
39, 18.417, 147.867

Deuteranomaly
39, 11.934, 156.130

Tritanomaly
40, 23.177, 190.546

Monochromacy



Original Color
40, 32.831, 165.600

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 14.423, 171.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 32.831, 165.600 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(20, 107, 80)` looks like.

```
.text, #text, p{  
    color:rgb(20, 107, 80)  
}
```

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(20, 107, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 107, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 32.831, 165.600 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(20, 107, 80) }
```

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

```
.border{ border-color:rgb(20, 107, 80) }
```

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

Here you see how a box with a 4 pixel rgb(20, 107, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 107, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 107, 80);  
box-shadow:4px 4px 4px 4px rgb(20, 107,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 32.831, 165.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 107, 80) }
```

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

```
.background{ background-color: rgb(20, 107,  
80) }
```

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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