

Converting Colors

CIELCh(40, 32.654, 149.371)

Have a look what the booklet for
CIELCh(40, 32.654, 149.371)
contains.

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Color

CIELCh(40, 32.338, 149.311)

Conversions

Conversions Part 1

Format	Color
Hex	326942
RGB	50, 105, 66
RGB Percent	20%, 41%, 26%
CMY	0.8027, 0.5870, 0.7400
CMYK	0.52, 0.00, 0.37, 0.59
HSL	137°, 35%, 31%
HSV	137°, 52%, 41%
XYZ	7.4071, 11.2510, 6.9808
YIQ	84.1090, -20.2610, -23.7890

Conversions

Conversions Part 2

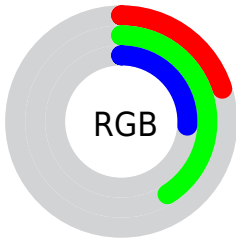
Format	Color
RYB	50, 93, 105
Decimal	3303746
CIELab	40.00, -27.81, 16.50
CIElCh	40, 32.338, 149.311
Yxy	11.2510, 0.2889, 0.4388
Android (android.graphics.Color)	4281493826 (0xFF326942)
YUV	84.1090, -8.9277, -29.9136
Hunter-Lab	33.5425, -19.2814, 11.1403

Details

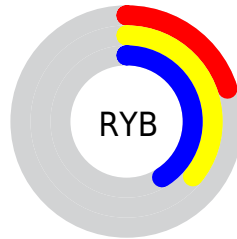
The CIELCh color **40, 32.338, 149.311** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **30, 32.565, 337.666**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 32.732, 149.273**, and **20, 31.634, 147.678** is the 20% darker color. If you saturate the color by 10%, you get **39, 37.898, 148.010**, and if you desaturate by 10%, it is **41, 26.434, 150.456**.

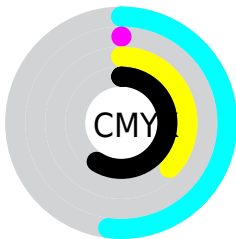
Distribution



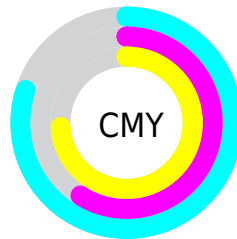
- Red (20%)
- Green (41%)
- Blue (26%)



- Red (20%)
- Yellow (36%)
- Blue (41%)



- Cyan (52%)
- Magenta (0%)
- Yellow (37%)
- Black (59%)





- Cyan (80%)
- Magenta (59%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 32.338, 149.311 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, 32.338, 149.311 by changing the saturation by 10% instead.


 40, 32.338,
149.311


 40, 32.338,
149.311


 100, 32.338,
149.311


 30, 32.338,
149.311

 60, 32.338,
149.311


 20, 32.338,
149.311

 70, 32.338,
149.311


 10, 32.338,
149.311

 80, 32.338,
149.311

 0, 32.338, 149.311

 90, 32.338,
149.311

 40, 32.338,

 40, 32.338,

149.311

149.311

■ 39, 37.898,
148.010

■ 41, 26.434,
150.456

■ 39, 43.006,
146.545

■ 41, 20.293,
151.459

■ 39, 47.566,
144.923

■ 42, 14.015,
152.338

■ 38, 51.512,
143.180

■ 43, 7.690, 153.117

■ 38, 54.303,
141.977

■ 44, 1.387, 153.916

■ 45, 4.838, 334.317

■ 47, 10.944,
334.872

■ 48, 16.902,
335.354

■ 49, 22.696,

Harmonies

Complementary

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



40, 32.338, 149.311



30, 32.565, 337.666

Rectangle

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



40, 32.338, 149.311



40, 32.338, 199.311



40, 32.338, 329.311



40, 32.338, 19.311

Sweetspot

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



40, 32.339, 149.311



55, 12.563, 152.798



42, 32.652, 118.329



28, 8.421, 152.686



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 32.339, 149.311



51, 47.569, 147.649



41, 21.448, 177.006



22, 3.579, 153.355



43, 58.979, 141.711



85, 104.375, 140.496

Inverse Universe

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



30, 32.565, 337.666



36, 47.349, 338.815



29, 26.234, 8.751



21, 3.595, 334.435



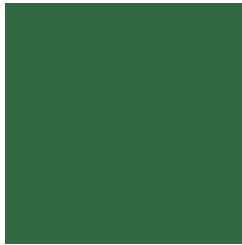
25, 52.723, 343.372



54, 89.754, 344.558

Previews

White Background



This preview shows how the CIELCh color 40, 32.338, 149.311 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, 32.338, 149.311 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, 32.338, 149.311

Background



This preview shows how black text looks on a background with the CIELCh color 40, 32.338, 149.311.

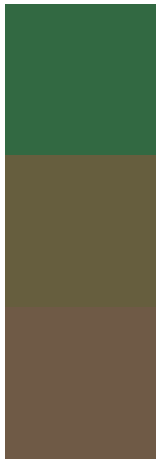


This preview shows how white text looks on a background with the CIELCh color 40, 32.338, 149.311.

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, 32.338, 149.311

Protanopia
40, 19.636, 96.075

Deuteranopia
40, 15.763, 69.803



Tritanopia
40, 14.488, 217.716

Trichromacy



Original Color
40, 32.338, 149.311

Protanomaly
39, 21.494, 125.414

Deuteranomaly
39, 16.583, 118.642

Tritanomaly
40, 17.906, 179.259

Monochromacy



Original Color
40, 32.338, 149.311

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 12.175, 152.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 32.338, 149.311 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(50, 105, 66)` looks like.

```
.text, #text, p{  
    color:rgb(50, 105, 66)  
}
```

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(50, 105, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 105, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 32.338, 149.311 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(50, 105, 66) }
```

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

```
.border{ border-color:rgb(50, 105, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 105, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 105, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 105, 66);  
box-shadow:4px 4px 4px 4px rgb(50, 105,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 32.338, 149.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 105, 66) }
```

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

```
.background{ background-color: rgb(50, 105,  
66) }
```

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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