

Converting Colors

CIELCh(32, 40.374, 149.908)

Have a look what the booklet for
CIELCh(32, 40.374, 149.908)
contains.

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Color

CIELCh(32, 40.366, 149.905)

Conversions

Conversions Part 1

Format	Color
Hex	00582A
RGB	0, 88, 42
RGB Percent	0%, 35%, 16%
CMY	1.0000, 0.6562, 0.8365
CMYK	1.00, 0.00, 0.52, 0.66
HSL	149°, 100%, 17%
HSV	149°, 100%, 34%
XYZ	3.8673, 7.0852, 3.3257
YIQ	56.4440, -37.6820, -32.9620

Conversions

Conversions Part 2

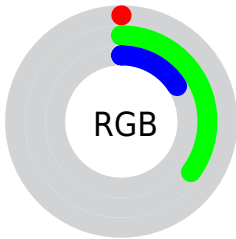
Format	Color
RYB	0, 60, 88
Decimal	22570
CIELab	32.00, -34.92, 20.24
CIELCh	32, 40.366, 149.905
Yxy	7.0852, 0.2709, 0.4962
Android (android.graphics.Color)	4278212650 (0xFF00582A)
YUV	56.4440, -7.1209, -49.5014
Hunter-Lab	26.6180, -20.6477, 11.2248

Details

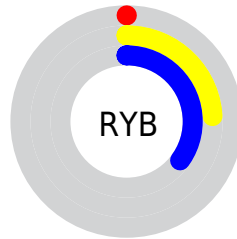
The CIELCh color **32, 40.366, 149.905** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **17, 39.489, 356.533**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 40.590, 149.758**, and **14, 31.326, 141.634** is the 20% darker color. If you saturate the color by 10%, you get **32, 40.312, 149.840**, and if you desaturate by 10%, it is **32, 37.412, 151.510**.

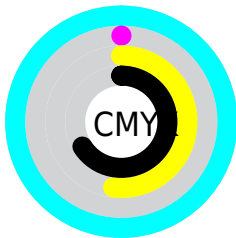
Distribution



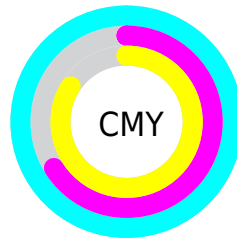
- Red (0%)
- Green (35%)
- Blue (16%)



- Red (0%)
- Yellow (24%)
- Blue (35%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (66%)





- Cyan (100%)
- Magenta (66%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 40.366, 149.905 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 32, 40.366, 149.905 by changing the saturation by 10% instead.


 32, 40.366,
149.905


 32, 40.366,
149.905

 100, 40.366,
149.905


 22, 40.366,
149.905

 52, 40.366,
149.905


 12, 40.366,
149.905


 62, 40.366,
149.905

 2, 40.366, 149.905

 72, 40.366,
149.905

 0, 40.366, 149.905

 82, 40.366,
149.905

 92, 40.366,
149.905

■ 32, 40.366,
149.905

■ 32, 40.366,
149.905

■ 32, 40.312,
149.840

■ 32, 37.412,
151.510

■ 32, 34.363,
153.316

■ 33, 30.920,
154.947

■ 33, 27.111,
156.404

■ 34, 22.991,
157.699

■ 34, 18.624,
158.851

■ 35, 14.079,
159.880

■ 36, 9.421, 160.806

Harmonies

Complementary

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



32, 40.366, 149.905



17, 39.489, 356.533

Rectangle

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



32, 40.366, 149.905



32, 40.366, 199.905



32, 40.366, 329.905



32, 40.366, 19.905

Sweetspot

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



32, 40.312, 149.840



45, 17.568, 159.781



33, 48.998, 125.646



23, 12.059, 159.512



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



32, 40.312, 149.840



42, 49.531, 149.008



33, 23.579, 191.751



17, 2.611, 161.760



39, 46.974, 149.203



82, 86.373, 147.578

Inverse Universe

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



17, 39.489, 356.533



24, 47.479, 357.886



16, 43.674, 32.402



16, 2.638, 342.963



22, 45.256, 357.564



51, 79.820, 0.382

Previews

White Background



This preview shows how the CIELCh color 32, 40.366, 149.905 looks on a white background.

Color Contrast Check

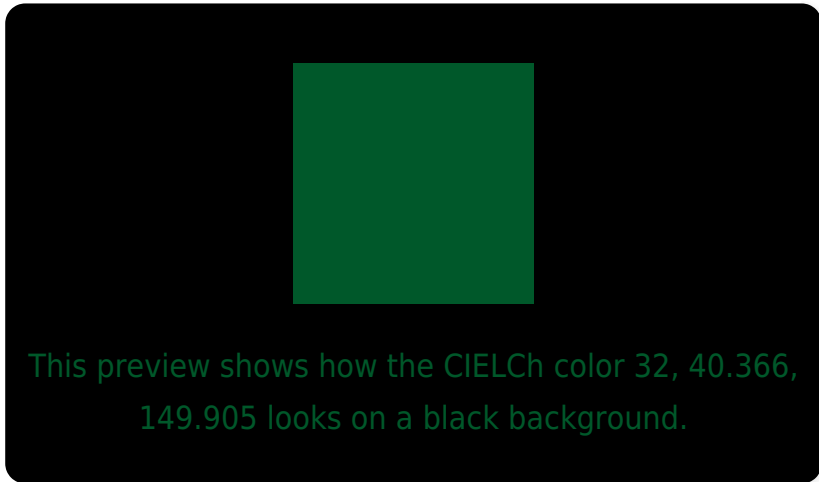
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32, 40.366, 149.905

Background



This preview shows how black text looks on a background with the CIELCh color 32, 40.366, 149.905.



This preview shows how white text looks on a background with the CIELCh color 32, 40.366, 149.905.

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

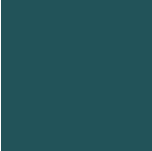
32, 40.366, 149.905

Protanopia

32, 23.669, 97.328

Deuteranopia

32, 19.372, 76.005



Tritanopia
32, 16.734, 210.504

Trichromacy



Original Color
32, 40.366, 149.905

Protanomaly
31, 28.187, 132.146

Deuteranomaly
31, 22.949, 129.273

Tritanomaly
32, 23.300, 175.417

Monochromacy



Original Color
32, 40.366, 149.905

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 17.737, 157.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 40.366, 149.905 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(0, 88, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 42)  
}
```

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(0, 88, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 40.366, 149.905 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(0, 88, 42) }
```

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

```
.border{ border-color:rgb(0, 88, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 88, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 42); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 88, 42); box-shadow:4px  
4px 4px 4px rgb(0, 88, 42) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 40.366, 149.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 88, 42) }
```

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

```
.background{ background-color: rgb(0, 88,  
42) }
```

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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