

Converting Colors

CIELCh(40, 49.800, 143.467)

Have a look what the booklet for
CIELCh(40, 49.800, 143.467)
contains.

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Color

CIELCh(40, 50.022, 143.266)

Conversions

Conversions Part 1

Format	Color
Hex	166D2A
RGB	22, 109, 42
RGB Percent	9%, 43%, 16%
CMY	0.9143, 0.5729, 0.8356
CMYK	0.80, 0.00, 0.62, 0.57
HSL	134°, 67%, 26%
HSV	134°, 80%, 43%
XYZ	6.2015, 11.2510, 4.0267
YIQ	75.3490, -30.3450, -39.2810

Conversions

Conversions Part 2

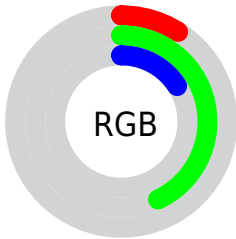
Format	Color
RYB	22, 93, 109
Decimal	1469738
CIELab	40.00, -40.09, 29.92
CIElCh	40, 50.022, 143.266
Yxy	11.2510, 0.2887, 0.5238
Android (android.graphics.Color)	4279659818 (0xFF166D2A)
YUV	75.3490, -16.4411, -46.7871
Hunter-Lab	33.5425, -25.6972, 16.3621

Details

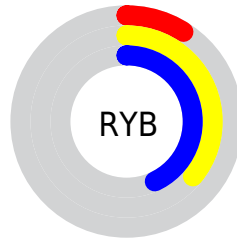
The CIELCh color **40, 50.022, 143.266** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 47.938, 337.334**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 49.717, 143.515**, and **21, 41.830, 137.211** is the 20% darker color. If you saturate the color by 10%, you get **40, 54.291, 141.640**, and if you desaturate by 10%, it is **40, 45.038, 144.793**.

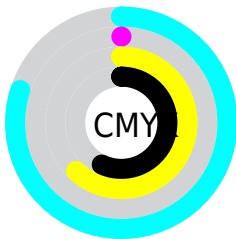
Distribution



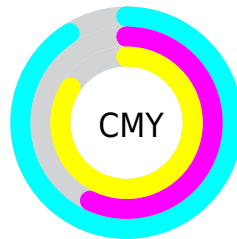
- Red (9%)
- Green (43%)
- Blue (16%)



- Red (9%)
- Yellow (36%)
- Blue (43%)



- Cyan (80%)
- Magenta (0%)
- Yellow (62%)
- Black (57%)





- Cyan (91%)
- Magenta (57%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 50.022, 143.266 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, 50.022, 143.266 by changing the saturation by 10% instead.


 40, 50.022,
143.266


 40, 50.022,
143.266


 100, 50.022,
143.266

 30, 50.022,
143.266

 60, 50.022,
143.266


 20, 50.022,
143.266

 70, 50.022,
143.266

 10, 50.022,
143.266

 80, 50.022,
143.266

 0, 50.022, 143.266

 90, 50.022,
143.266

 40, 50.022,

 40, 50.022,

143.266

143.266

■ 40, 54.291,
141.640

■ 40, 45.038,
144.793

■ 40, 57.939,
140.186

■ 41, 39.448,
146.183

■ 40, 57.958,
140.179

■ 41, 33.375,
147.420

■ 42, 26.949,
148.509

■ 43, 20.292,
149.460

■ 44, 13.515,
150.290

■ 45, 6.712, 151.024

■ 46, 0.044, 327.022

Harmonies

Complementary

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



40, 50.022, 143.266



25, 47.938, 337.334

Rectangle

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



40, 50.022, 143.266



40, 50.022, 193.266



40, 50.022, 323.266



40, 50.022, 13.266

Sweetspot

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



40, 50.022, 143.266



56, 20.325, 149.911



43, 47.147, 114.596



28, 13.864, 149.685



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, 50.022, 143.266



52, 69.731, 140.217



41, 32.013, 167.844



22, 3.739, 151.093



43, 61.339, 140.015



85, 108.264, 138.936

Inverse Universe

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



25, 47.938, 337.334



32, 62.546, 339.303



24, 39.968, 11.269



21, 3.753, 332.122



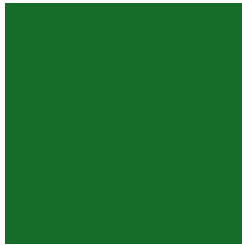
25, 54.885, 339.495



55, 93.561, 340.336

Previews

White Background



This preview shows how the CIELCh color 40, 50.022, 143.266 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, 50.022, 143.266 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, 50.022, 143.266

Background



This preview shows how black text looks on a background with the CIELCh color 40, 50.022, 143.266.



This preview shows how white text looks on a background with the CIELCh color 40, 50.022, 143.266.

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, 50.022, 143.266

Protanopia

40, 33.132, 95.557

Deuteranopia

40, 28.082, 78.991



Tritanopia
40, 18.313, 213.011

Trichromacy



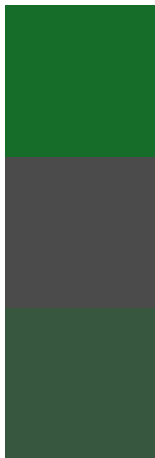
Original Color
40, 50.022, 143.266

Protanomaly
39, 36.462, 122.799

Deuteranomaly
38, 30.296, 119.063

Tritanomaly
40, 26.912, 169.228

Monochromacy



Original Color
40, 50.022, 143.266

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 20.104, 148.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 50.022, 143.266 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(22, 109, 42)` looks like.

```
.text, #text, p{  
    color:rgb(22, 109, 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(22, 109, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 109, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 50.022, 143.266 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(22, 109, 42) }
```

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

```
.border{ border-color:rgb(22, 109, 42) }
```

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

Here you see how a box with a 4 pixel rgb(22, 109, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 109, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 109, 42);  
box-shadow:4px 4px 4px 4px rgb(22, 109,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 50.022, 143.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 109, 42) }
```

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

```
.background{ background-color: rgb(22, 109,  
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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