

Converting Colors

CIELCh(40, 56.166, 129.900)

Have a look what the booklet for
CIELCh(40, 56.166, 129.900)
contains.

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Color

CIELCh(40, 56.033, 129.992)

Conversions

Conversions Part 1

Format	Color
Hex	306B0A
RGB	48, 107, 10
RGB Percent	19%, 42%, 4%
CMY	0.8102, 0.5789, 0.9626
CMYK	0.55, 0.00, 0.91, 0.58
HSL	96°, 84%, 23%
HSV	96°, 91%, 42%
XYZ	6.5861, 11.2510, 2.0986
YIQ	78.3010, -4.0270, -42.6750

Conversions

Conversions Part 2

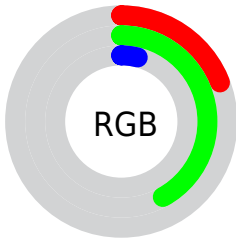
Format	Color
RYB	10, 107, 69
Decimal	3173130
CIELab	40.00, -36.01, 42.93
CIElCh	40, 56.033, 129.992
Yxy	11.2510, 0.3304, 0.5644
Android (android.graphics.Color)	4281363210 (0xFF306B0A)
YUV	78.3010, -33.6724, -26.5740
Hunter-Lab	33.5425, -23.6508, 19.7703

Details

The CIELCh color $40, 56.033, 129.992$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $18, 60.755, 315.194$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 55.981, 130.141$, and $21, 41.286, 137.348$ is the 20% darker color. If you saturate the color by 10%, you get $40, 59.054, 130.271$, and if you desaturate by 10%, it is $40, 52.158, 129.666$.

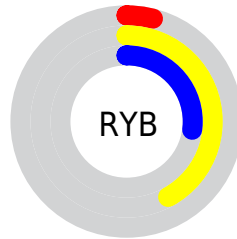
Distribution



Red (19%)

Green (42%)

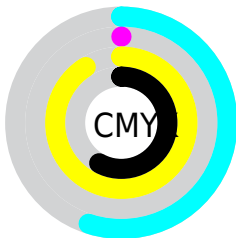
Blue (4%)



Red (4%)

Yellow (42%)

Blue (27%)

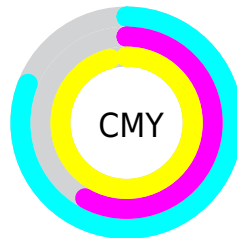


Cyan (55%)

Magenta (0%)

Yellow (91%)

Black (58%)



Cyan (81%)


Magenta (58%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 56.033, 129.992 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, 56.033, 129.992 by changing the saturation by 10% instead.


 40, 56.033,
129.992


 40, 56.033,
129.992


 100, 56.033,
129.992


 30, 56.033,
129.992

 60, 56.033,
129.992


 20, 56.033,
129.992

 70, 56.033,
129.992

 10, 56.033,
129.992

 80, 56.033,
129.992

 0, 56.033, 129.992

 90, 56.033,
129.992

 40, 56.033,

 40, 56.033,

129.992

129.992

■ 40, 59.054,
130.271

■ 40, 52.158,
129.666

■ 41, 47.219,
129.683

■ 41, 41.481,
129.933

■ 42, 35.193,
130.319

■ 42, 28.551,
130.772

■ 43, 21.698,
131.243

■ 44, 14.736,
131.706

■ 44, 7.740, 132.147

Harmonies

Complementary

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



40, 56.033, 129.992



18, 60.755, 315.194

Rectangle

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



40, 56.033, 129.992



40, 56.033, 179.992



40, 56.033, 309.992



40, 56.033, 359.992

Sweetspot

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



40, 56.033, 129.993



56, 23.464, 131.400



33, 40.366, 72.665



29, 15.927, 131.284



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, 56.033, 129.993



51, 71.872, 130.700



39, 58.371, 138.286



22, 3.905, 132.239



43, 62.993, 130.426



86, 109.460, 131.303

Inverse Universe

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



18, 60.755, 315.194



23, 78.098, 314.728



24, 54.882, 332.029



20, 3.944, 312.915



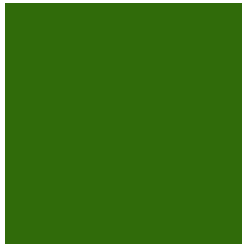
18, 68.560, 314.919



43, 118.530, 314.295

Previews

White Background



This preview shows how the CIELCh color 40, 56.033, 129.992 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, 56.033, 129.992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

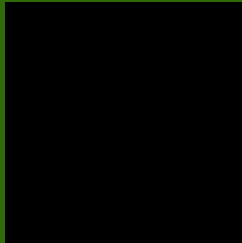
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 56.033, 129.992

Background



This preview shows how black text looks on a background with the CIELCh color 40, 56.033, 129.992.



This preview shows how white text looks on a background with the CIELCh color 40, 56.033, 129.992.

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, 55.822, 130.118

Protanopia
40, 47.127, 95.423

Deuteranopia
40, 40.199, 82.611



Tritanopia
40, 13.644, 219.084

Trichromacy



Original Color
40, 55.822, 130.118

Protanomaly
39, 48.212, 111.165

Deuteranomaly
39, 41.956, 105.691

Tritanomaly
40, 26.396, 151.100

Monochromacy



Original Color
40, 55.822, 130.118

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 23.413, 130.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 56.033, 129.992 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(48, 107, 10)` looks like.

```
.text, #text, p{  
    color:rgb(48, 107, 10)  
}
```

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(48, 107, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 107, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 56.033, 129.992 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(48, 107, 10) }
```

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

```
.border{ border-color:rgb(48, 107, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 107, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 107, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 107, 10);  
box-shadow:4px 4px 4px 4px rgb(48, 107,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 56.033, 129.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 107, 10) }
```

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

```
.background{ background-color: rgb(48, 107,  
10) }
```

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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