

Converting Colors

CIELCh(40, 28.782, 144.084)

Have a look what the booklet for
CIELCh(40, 28.782, 144.084)
contains.

CIELCh(40, 28.932, 144.200)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 28.932, 144.200)

Conversions

Conversions Part 1

Format	Color
Hex	3E6842
RGB	62, 104, 66
RGB Percent	24%, 41%, 26%
CMY	0.7579, 0.5932, 0.7422
CMYK	0.40, 0.00, 0.37, 0.59
HSL	126°, 25%, 32%
HSV	126°, 40%, 41%
XYZ	7.8683, 11.2510, 6.8717
YIQ	87.1100, -12.8340, -20.7220

Conversions

Conversions Part 2

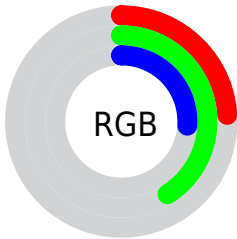
Format	Color
RYB	62, 100, 104
Decimal	4089922
CIELab	40.00, -23.47, 16.92
CIELCh	40, 28.932, 144.200
Yxy	11.2510, 0.3027, 0.4329
Android (android.graphics.Color)	4282280002 (0xFF3E6842)
YUV	87.1100, -10.4072, -22.0215
Hunter-Lab	33.5425, -16.8272, 11.3333

Details

The CIELCh color **40, 28.932, 144.200** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **32, 28.911, 329.342**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 28.654, 143.836**, and **20, 28.772, 143.840** is the 20% darker color. If you saturate the color by 10%, you get **39, 35.712, 143.182**, and if you desaturate by 10%, it is **41, 21.885, 145.096**.

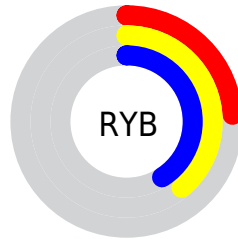
Distribution



 Red (24%)

 Green (41%)

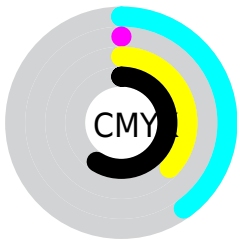
 Blue (26%)



 Red (24%)

 Yellow (39%)

 Blue (41%)

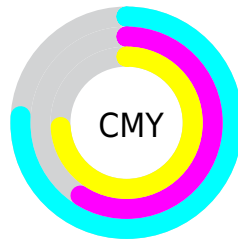


 Cyan (40%)

 Magenta (0%)

 Yellow (37%)

 Black (59%)



 Cyan (76%)


 Magenta (59%)

 Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 28.932, 144.200 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, 28.932, 144.200 by changing the saturation by 10% instead.


 40, 28.932,
144.200


 40, 28.932,
144.200


 100, 28.932,
144.200


 30, 28.932,
144.200

 60, 28.932,
144.200


 20, 28.932,
144.200

 70, 28.932,
144.200

 10, 28.932,
144.200

 80, 28.932,
144.200

 0, 28.932, 144.200

 90, 28.932,
144.200

 40, 28.932,

 40, 28.932,

144.200

144.200

■ 39, 35.712,
143.182

■ 41, 21.885,
145.096

■ 39, 42.066,
142.045

■ 42, 14.703,
145.876

■ 38, 47.818,
140.814

■ 43, 7.493, 146.557

■ 38, 52.778,
139.542

■ 44, 0.338, 147.626

■ 45, 6.699, 327.582

■ 38, 56.752,
138.312

■ 46, 13.578,
328.025

■ 38, 59.658,
137.504

■ 48, 20.270,
328.402

■ 49, 26.761,
328.729

■ 51, 33.044,

Harmonies

Complementary

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



40, 28.932, 144.200



32, 28.911, 329.342

Rectangle

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



40, 28.932, 144.200



40, 28.932, 194.200



40, 28.932, 324.200



40, 28.932, 14.200

Sweetspot

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



40, 28.933, 144.200



55, 10.670, 146.436



43, 24.745, 110.278



28, 7.136, 146.380



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, 28.933, 144.200



51, 43.082, 143.191



40, 19.812, 164.547



21, 3.953, 146.658



42, 64.323, 137.351



84, 113.346, 136.689

Inverse Universe

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



32, 28.911, 329.342



40, 42.883, 329.873



32, 21.233, 352.519



20, 3.961, 327.589



26, 59.658, 332.249



56, 103.008, 332.520

Previews

White Background



This preview shows how the CIELCh color 40, 28.932, 144.200 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, 28.932, 144.200 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, 28.932, 144.200

Background



This preview shows how black text looks on a background with the CIELCh color 40, 28.932, 144.200.



This preview shows how white text looks on a background with the CIELCh color 40, 28.932, 144.200.

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, 28.932, 144.200

Protanopia
40, 19.636, 96.075

Deuteranopia
40, 16.261, 70.958



Tritanopia
40, 11.606, 223.262

Trichromacy



Original Color
40, 28.932, 144.200

Protanomaly
40, 21.527, 120.446

Deuteranomaly
39, 16.303, 110.839

Tritanomaly
40, 14.536, 175.361

Monochromacy



Original Color
40, 28.932, 144.200

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 10.780, 145.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 28.932, 144.200 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(62, 104, 66)` looks like.

```
.text, #text, p{  
    color:rgb(62, 104, 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(62, 104, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 104, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 28.932, 144.200 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(62, 104, 66) }
```

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

```
.border{ border-color:rgb(62, 104, 66) }
```

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

Here you see how a box with a 4 pixel rgb(62, 104, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 104, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 104, 66);  
box-shadow:4px 4px 4px 4px rgb(62, 104,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 28.932, 144.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 104, 66) }
```

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

```
.background{ background-color: rgb(62, 104,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor