

Converting Colors

CIELCh(40, 21.215, 140.650)

Have a look what the booklet for
CIELCh(40, 21.215, 140.650)
contains.

CIELCh(40, 21.068, 140.927)	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, 21.068, 140.927)

Conversions

Conversions Part 1

Format	Color
Hex	4A6548
RGB	74, 101, 72
RGB Percent	29%, 40%, 28%
CMY	0.7095, 0.6036, 0.7173
CMYK	0.27, 0.00, 0.29, 0.60
HSL	116°, 17%, 34%
HSV	116°, 29%, 40%
XYZ	8.6638, 11.2510, 7.8591
YIQ	89.6210, -6.7830, -14.7430

Conversions

Conversions Part 2

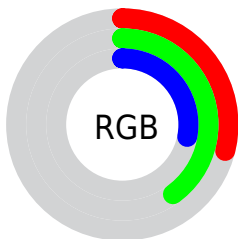
Format	Color
RYB	72, 101, 99
Decimal	4875592
CIELab	40.00, -16.36, 13.28
CIElCh	40, 21.068, 140.927
Yxy	11.2510, 0.3119, 0.4051
Android (android.graphics.Color)	4283065672 (0xFF4A6548)
YUV	89.6210, -8.6872, -13.6996
Hunter-Lab	33.5425, -12.5937, 9.5879

Details

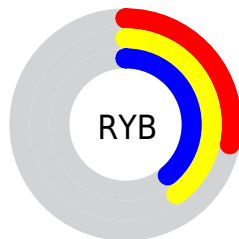
The CIELCh color **40, 21.068, 140.927** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **34, 21.149, 323.918**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 20.949, 141.541**, and **20, 21.030, 140.489** is the 20% darker color. If you saturate the color by 10%, you get **39, 28.315, 140.183**, and if you desaturate by 10%, it is **41, 13.712, 141.587**.

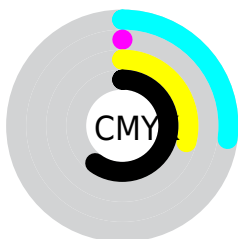
Distribution



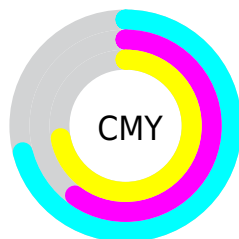
- Red (29%)
- Green (40%)
- Blue (28%)



- Red (28%)
- Yellow (40%)
- Blue (39%)



- Cyan (27%)
- Magenta (0%)
- Yellow (29%)
- Black (60%)





- Cyan (71%)
- Magenta (60%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 21.068, 140.927 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, 21.068, 140.927 by changing the saturation by 10% instead.


 40, 21.068,
140.927


 40, 21.068,
140.927


 100, 21.068,
140.927


 30, 21.068,
140.927

 60, 21.068,
140.927


 20, 21.068,
140.927

 70, 21.068,
140.927

 10, 21.068,
140.927

 80, 21.068,
140.927

 0, 21.068, 140.927

 90, 21.068,
140.927

 40, 21.068,

 40, 21.068,

140.927

140.927

■ 39, 28.315,
140.183

■ 41, 13.712,
141.587

■ 39, 35.314,
139.360

■ 42, 6.346, 142.170

■ 38, 41.896,
138.483

■ 43, 0.952, 322.484

■ 44, 8.127, 323.043

■ 37, 47.846,
137.603

■ 45, 15.143,
323.413

■ 37, 52.909,
136.802

■ 47, 21.975,
323.726

■ 37, 56.814,
136.191

■ 48, 28.612,
323.992

■ 37, 59.852,
135.548

■ 50, 35.047,
324.220

■ 37, 60.254,
135.436

■ 51, 41.283,

Harmonies

Complementary

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



40, 21.068, 140.927



34, 21.149, 323.918

Rectangle

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



40, 21.068, 140.927



40, 21.068, 190.927



40, 21.068, 320.927



40, 21.068, 10.927

Sweetspot

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



40, 21.069, 140.927



54, 8.213, 142.138



41, 15.964, 103.794



27, 5.665, 142.078



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 21.069, 140.927



51, 31.152, 140.467



40, 15.867, 157.110



21, 4.129, 142.156



42, 65.981, 135.513



84, 114.866, 135.796

Inverse Universe

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



34, 21.149, 323.918



43, 31.274, 324.205



34, 16.209, 341.637



20, 4.140, 322.976



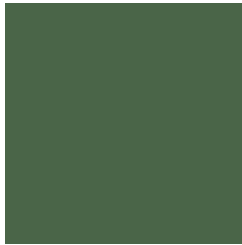
25, 64.344, 325.648



55, 111.621, 325.493

Previews

White Background



This preview shows how the CIELCh color 40, 21.068, 140.927 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, 21.068, 140.927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

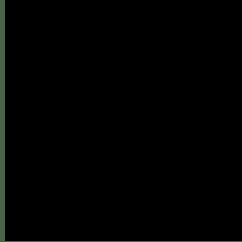
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 21.068, 140.927

Background



This preview shows how black text looks on a background with the CIELCh color 40, 21.068, 140.927.



This preview shows how white text looks on a background with the CIELCh color 40, 21.068, 140.927.

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

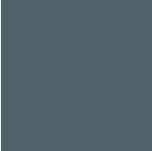
40, 21.068, 140.927

Protanopia

40, 15.455, 95.732

Deuteranopia

40, 13.515, 65.663



Tritanopia
40, 8.044, 236.268

Trichromacy



Original Color
40, 21.068, 140.927

Protanomaly
40, 16.469, 117.139

Deuteranomaly
40, 12.783, 102.067

Tritanomaly
40, 8.707, 177.762

Monochromacy



Original Color
40, 21.068, 140.927

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 8.002, 141.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 21.068, 140.927 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(74, 101, 72)` looks like.

```
.text, #text, p{  
    color:rgb(74, 101, 72)  
}
```

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(74, 101, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 101, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 21.068, 140.927 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(74, 101, 72) }
```

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

```
.border{ border-color:rgb(74, 101, 72) }
```

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

Here you see how a box with a 4 pixel rgb(74, 101, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 101, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 101, 72);  
box-shadow:4px 4px 4px 4px rgb(74, 101,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 21.068, 140.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 101, 72) }
```

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

```
.background{ background-color: rgb(74, 101,  
72) }
```

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