

Converting Colors

CIELCh(28, 39.935, 136.107)

Have a look what the booklet for
CIELCh(28, 39.935, 136.107)
contains.

CIELCh(28, 40.131, 136.033)	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(28, 40.131, 136.033)

Conversions

Conversions Part 1

Format	Color
Hex	1B4C13
RGB	27, 76, 19
RGB Percent	11%, 30%, 7%
CMY	0.8939, 0.7017, 0.9253
CMYK	0.64, 0.00, 0.75, 0.70
HSL	112°, 60%, 19%
HSV	112°, 75%, 30%
XYZ	3.1598, 5.4574, 1.5053
YIQ	54.8510, -10.9070, -28.1150

Conversions

Conversions Part 2

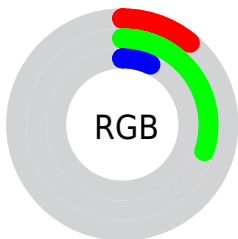
Format	Color
RYB	19, 76, 68
Decimal	1788947
CIELab	28.00, -28.88, 27.86
CIELCh	28, 40.131, 136.033
Yxy	5.4574, 0.3122, 0.5391
Android (android.graphics.Color)	4279979027 (0xFF1B4C13)
YUV	54.8510, -17.6745, -24.4253
Hunter-Lab	23.3610, -16.7383, 12.5322

Details

The CIELCh color **28, 40.131, 136.033** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **17, 40.354, 323.213**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 40.457, 136.223**, and **10, 24.116, 144.119** is the 20% darker color. If you saturate the color by 10%, you get **28, 43.917, 135.515**, and if you desaturate by 10%, it is **28, 35.651, 136.688**.

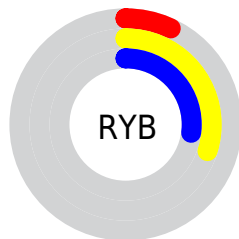
Distribution



Red (11%)

Green (30%)

Blue (7%)



Red (7%)

Yellow (30%)

Blue (27%)

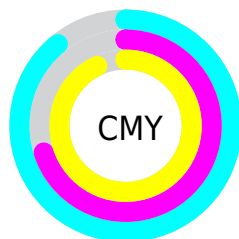


Cyan (64%)

Magenta (0%)

Yellow (75%)

Black (70%)



Cyan (89%)


Magenta (70%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 40.131, 136.033 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 28, 40.131, 136.033 by changing the saturation by 10% instead.

 28, 40.131,
136.033


 28, 40.131,
136.033


 100, 40.131,
136.033


 18, 40.131,
136.033


 48, 40.131,
136.033


 8, 40.131, 136.033

 58, 40.131,
136.033

 0, 40.131, 136.033

 68, 40.131,
136.033

 78, 40.131,
136.033

 88, 40.131,
136.033

 98, 40.131,

136.033

■ 28, 40.131,
136.033

■ 28, 40.131,
136.033

■ 28, 43.917,
135.515

■ 28, 35.651,
136.688

■ 28, 47.167,
134.935

■ 29, 30.667,
137.394

■ 27, 48.823,
134.453

■ 29, 25.341,
138.093

■ 30, 19.800,
138.751

■ 30, 14.145,
139.353

■ 31, 8.453, 139.893

■ 32, 2.780, 140.391

■ 33, 2.830, 320.723

■ 34, 8.345, 321.106

Harmonies

Complementary

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



28, 40.131, 136.033



17, 40.354, 323.213

Rectangle

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



28, 40.131, 136.033



28, 40.131, 186.033



28, 40.131, 316.033



28, 40.131, 6.033

Sweetspot

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



28, 40.131, 136.034



40, 15.572, 139.471



29, 29.635, 95.613



20, 10.551, 139.398



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



28, 40.131, 136.034



36, 55.856, 135.254



28, 32.538, 148.871



15, 3.161, 140.206



37, 60.126, 134.802



80, 109.609, 135.353

Inverse Universe

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



17, 40.354, 323.213



21, 55.575, 323.235



17, 32.384, 342.734



14, 3.174, 320.901



20, 59.572, 323.128



49, 107.924, 322.775

Previews

White Background



This preview shows how the CIELCh color 28, 40.131, 136.033 looks on a white background.

Color Contrast Check

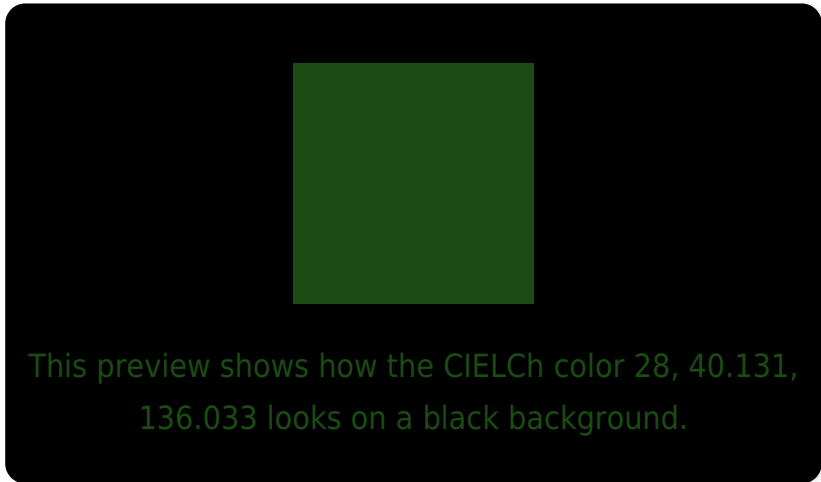
Large Text (above 18pt) WCAG AA ✓ Pass

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

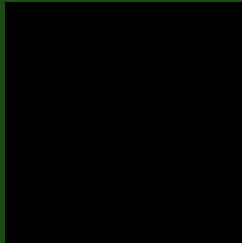
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 40.131, 136.033

Background



This preview shows how black text looks on a background with the CIELCh color 28, 40.131, 136.033.



This preview shows how white text looks on a background with the CIELCh color 28, 40.131, 136.033.

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
28, 40.131, 136.033

Protanopia
28, 29.849, 96.059

Deuteranopia
28, 26.645, 82.851



Tritanopia
28, 12.016, 216.799

Trichromacy



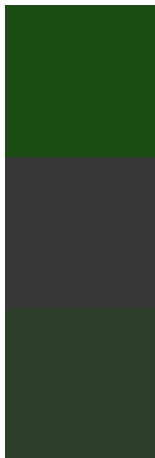
Original Color
28, 40.131, 136.033

Protanomaly
28, 31.690, 116.252

Deuteranomaly
27, 28.174, 110.945

Tritanomaly
28, 19.244, 161.680

Monochromacy



Original Color
28, 40.131, 136.033

Achromatopsia
23, 0.004, 296.813

Achromatomaly
25, 16.139, 138.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 40.131, 136.033 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(27, 76, 19)` looks like.

```
.text, #text, p{  
    color:rgb(27, 76, 19)  
}
```

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(27, 76, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 76, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 40.131, 136.033 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(27, 76, 19) }
```

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

```
.border{ border-color:rgb(27, 76, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 76, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 76, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 76, 19);  
box-shadow:4px 4px 4px 4px rgb(27, 76, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 40.131, 136.033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 76, 19) }
```

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

```
.background{ background-color: rgb(27, 76,  
19) }
```

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