

Converting Colors

CIELCh(28, 42.217, 140.364)

Have a look what the booklet for
CIELCh(28, 42.217, 140.364)
contains.

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Color

CIELCh(28, 42.080, 140.532)

Conversions

Conversions Part 1

Format	Color
Hex	0C4D15
RGB	12, 77, 21
RGB Percent	5%, 30%, 8%
CMY	0.9522, 0.6976, 0.9172
CMYK	0.84, 0.00, 0.73, 0.70
HSL	128°, 73%, 18%
HSV	128°, 84%, 30%
XYZ	2.9522, 5.4574, 1.6125
YIQ	51.1810, -20.7640, -31.1960

Conversions

Conversions Part 2

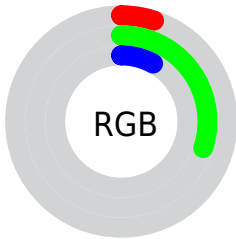
Format	Color
RYB	12, 69, 77
Decimal	806165
CIELab	28.00, -32.48, 26.75
CIElCh	28, 42.080, 140.532
Yxy	5.4574, 0.2946, 0.5445
Android (android.graphics.Color)	4278996245 (0xFF0C4D15)
YUV	51.1810, -14.8792, -34.3617
Hunter-Lab	23.3610, -18.3246, 12.2603

Details

The CIELCh color **28, 42.080, 140.532** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **17, 40.307, 333.085**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 41.986, 140.510**, and **10, 25.067, 143.948** is the 20% darker color. If you saturate the color by 10%, you get **28, 45.336, 139.343**, and if you desaturate by 10%, it is **28, 38.252, 141.846**.

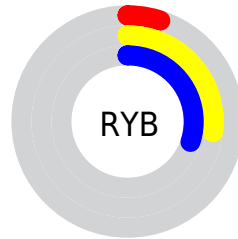
Distribution



Red (5%)

Green (30%)

Blue (8%)



Red (5%)

Yellow (27%)

Blue (30%)

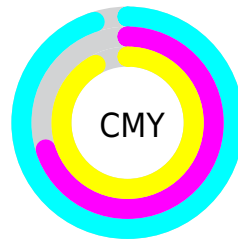


Cyan (84%)

Magenta (0%)

Yellow (73%)

Black (70%)



Cyan (95%)


Magenta (70%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 42.080, 140.532 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, 42.080, 140.532 by changing the saturation by 10% instead.

 28, 42.080,
140.532

 28, 42.080,
140.532

 100, 42.080,
140.532


 18, 42.080,
140.532


 48, 42.080,
140.532


 8, 42.080, 140.532

 58, 42.080,
140.532

 0, 42.080, 140.532

 68, 42.080,
140.532

 78, 42.080,
140.532

 88, 42.080,
140.532

 98, 42.080,

140.532

■ 28, 42.080,
140.532

■ 28, 42.080,
140.532

■ 28, 45.336,
139.343

■ 28, 38.252,
141.846

■ 28, 47.025,
138.889

■ 29, 33.878,
143.092

■ 29, 29.078,
144.232

■ 30, 23.964,
145.254

■ 30, 18.642,
146.155

■ 31, 13.204,
146.945

■ 32, 7.727, 147.637

■ 32, 2.272, 148.278

■ 33, 3.113, 328.684

Harmonies

Complementary

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



28, 42.080, 140.532



17, 40.307, 333.085

Rectangle

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



28, 42.080, 140.532



28, 42.080, 190.532



28, 42.080, 320.532



28, 42.080, 10.532

Sweetspot

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



28, 42.080, 140.532



40, 16.834, 146.819



31, 36.784, 110.496



20, 11.580, 146.673



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, 42.080, 140.532



36, 56.839, 138.291



29, 27.587, 161.806



15, 3.005, 147.991



37, 57.927, 138.241



80, 107.363, 137.244

Inverse Universe

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



17, 40.307, 333.085



21, 52.337, 334.172



15, 31.589, 4.601



14, 3.013, 328.869



22, 53.259, 334.193



53, 95.683, 334.691

Previews

White Background



This preview shows how the CIELCh color 28, 42.080, 140.532 looks on a white background.

Color Contrast Check

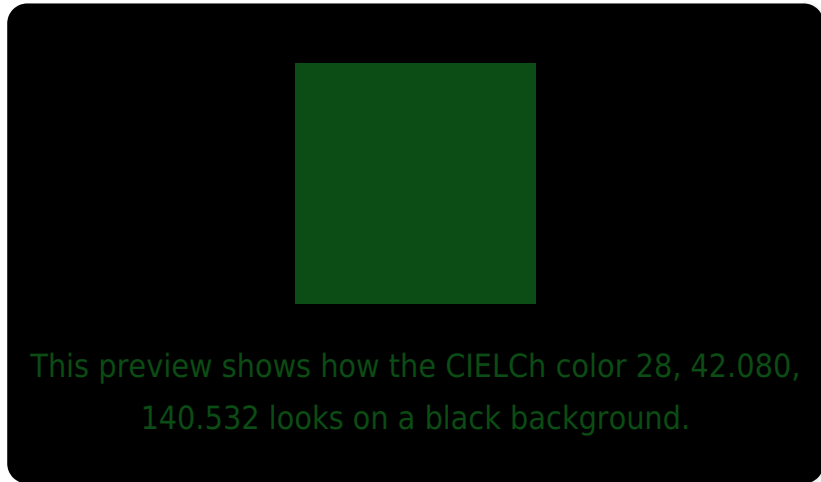
Large Text (above 18pt) WCAG AA ✓ Pass

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

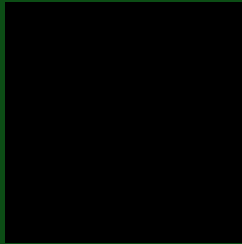
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 42.080, 140.532

Background



This preview shows how black text looks on a background with the CIELCh color 28, 42.080, 140.532.



This preview shows how white text looks on a background with the CIELCh color 28, 42.080, 140.532.

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, 42.080, 140.532

Protanopia

28, 29.375, 96.031

Deuteranopia

28, 25.592, 82.206



Tritanopia
28, 14.163, 213.519

Trichromacy



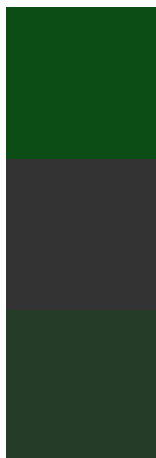
Original Color
28, 42.080, 140.532

Protanomaly
27, 31.897, 120.720

Deuteranomaly
27, 27.573, 116.533

Tritanomaly
28, 21.907, 165.955

Monochromacy



Original Color
28, 42.080, 140.532

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 17.016, 145.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 42.080, 140.532 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(12, 77, 21)` looks like.

```
.text, #text, p{  
    color:rgb(12, 77, 21)  
}
```

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(12, 77, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 77, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 42.080, 140.532 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(12, 77, 21) }
```

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

```
.border{ border-color:rgb(12, 77, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 77, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 77, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 77, 21);  
box-shadow:4px 4px 4px 4px rgb(12, 77, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 42.080, 140.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 77, 21) }
```

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

```
.background{ background-color: rgb(12, 77,  
21) }
```

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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