

Converting Colors

CIELCh(28, 45.096, 140.469)

Have a look what the booklet for
CIELCh(28, 45.096, 140.469)
contains.

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Color

CIELCh(28, 45.159, 140.459)

Conversions

Conversions Part 1

Format	Color
Hex	024E11
RGB	2, 78, 17
RGB Percent	1%, 31%, 7%
CMY	0.9939, 0.6952, 0.9345
CMYK	0.98, 0.00, 0.78, 0.70
HSL	132°, 96%, 16%
HSV	132°, 98%, 30%
XYZ	2.8222, 5.4574, 1.4232
YIQ	48.3220, -25.7150, -35.0830

Conversions

Conversions Part 2

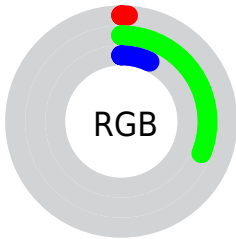
Format	Color
R_YB	2, 65, 78
Decimal	151057
CIE Lab	28.00, -34.83, 28.75
CIE LCh	28, 45.159, 140.459
Yxy	5.4574, 0.2909, 0.5625
Android (android.graphics.Color)	4278341137 (0xFF024E11)
YUV	48.3220, -15.4417, -40.6244
Hunter-Lab	23.3610, -19.3173, 12.7406

Details

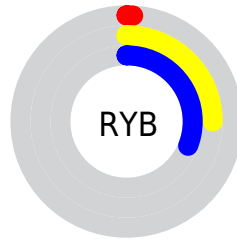
The CIELCh color **28, 45.159, 140.459** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **15, 41.957, 336.908**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 45.194, 140.179**, and **11, 25.980, 143.748** is the 20% darker color. If you saturate the color by 10%, you get **28, 45.757, 140.275**, and if you desaturate by 10%, it is **28, 41.970, 141.663**.

Distribution



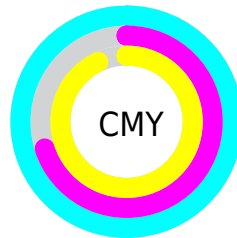
- Red (1%)
- Green (31%)
- Blue (7%)



- Red (1%)
- Yellow (25%)
- Blue (31%)



- Cyan (98%)
- Magenta (0%)
- Yellow (78%)
- Black (70%)





- Cyan (99%)
- Magenta (70%)
- Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 45.159, 140.459 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, 45.159, 140.459 by changing the saturation by 10% instead.

 28, 45.159,
140.459


 28, 45.159,
140.459

 100, 45.159,
140.459


 18, 45.159,
140.459


 48, 45.159,
140.459


 8, 45.159, 140.459

 58, 45.159,
140.459

 0, 45.159, 140.459

 68, 45.159,
140.459

 78, 45.159,
140.459

 88, 45.159,
140.459

 98, 45.159,

140.459

■ 28, 45.159,
140.459

■ 28, 45.159,
140.459

■ 28, 45.757,
140.275

■ 28, 41.970,
141.663

■ 28, 38.390,
143.117

■ 29, 34.301,
144.478

■ 29, 29.792,
145.716

■ 30, 24.961,
146.820

■ 30, 19.903,
147.795

■ 31, 14.704,
148.650

■ 32, 9.442, 149.401

■ 32, 4.178, 150.073

Harmonies

Complementary

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



28, 45.159, 140.459



15, 41.957, 336.908

Rectangle

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



28, 45.159, 140.459



28, 45.159, 190.459



28, 45.159, 320.459



28, 45.159, 10.459

Sweetspot

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



28, 45.159, 140.460



40, 19.064, 148.481



31, 41.138, 112.908



19, 12.911, 148.288



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, 45.159, 140.460



37, 56.164, 139.547



29, 29.048, 163.055



15, 2.875, 150.031



80, 104.643, 138.315

Inverse Universe

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



15, 41.957, 336.908



22, 50.939, 337.454



14, 35.437, 13.300



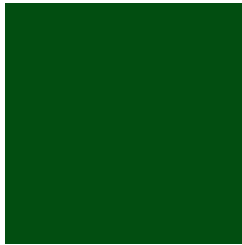
14, 2.884, 330.946



52, 91.255, 338.272

Previews

White Background



This preview shows how the CIE LCh color 28, 45.159, 140.459 looks on a white background.

Color Contrast Check

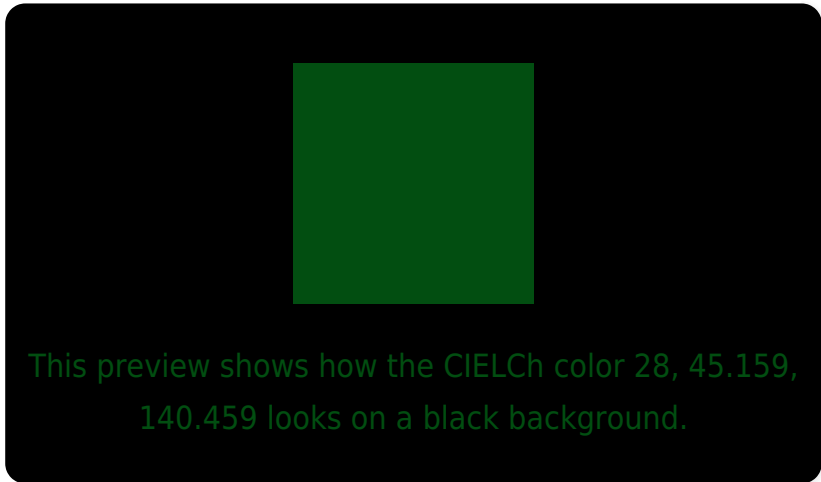
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.159, 140.459

Background



This preview shows how black text looks on a background with the CIELCh color 28, 45.159, 140.459.



This preview shows how white text looks on a background with the CIELCh color 28, 45.159, 140.459.

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

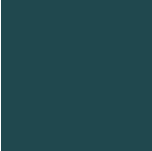
28, 45.159, 140.459

Protanopia

28, 31.657, 96.222

Deuteranopia

28, 27.394, 82.131



Tritanopia
28, 14.409, 213.206

Trichromacy



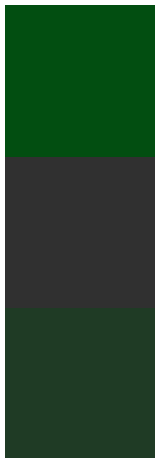
Original Color
28, 45.159, 140.459

Protanomaly
27, 34.866, 123.005

Deuteranomaly
27, 29.589, 119.387

Tritanomaly
28, 23.135, 165.680

Monochromacy



Original Color
28, 45.159, 140.459

Achromatopsia
20, 0.004, 296.813

Achromatomaly
22, 19.436, 147.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 45.159, 140.459 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(2, 78, 17)` looks like.

```
.text, #text, p{  
    color:rgb(2, 78, 17)  
}
```

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(2, 78, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 78, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 45.159, 140.459 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(2, 78, 17) }
```

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

```
.border{ border-color:rgb(2, 78, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 78, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 78, 17); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 78, 17); box-shadow:4px  
4px 4px 4px rgb(2, 78, 17) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 45.159, 140.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 78, 17) }
```

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

```
.background{ background-color: rgb(2, 78,  
17) }
```

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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