

Converting Colors

CIELCh(27, 47.048, 117.991)

Have a look what the booklet for
CIELCh(27, 47.048, 117.991)
contains.

CIELCh(27, 40.758, 120.760)	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(27, 40.758, 120.760)

Conversions

Conversions Part 1

Format	Color
Hex	2E4700
RGB	46, 71, 0
RGB Percent	18%, 28%, 0%
CMY	0.8194, 0.7214, 0.9998
CMYK	0.35, 0.00, 1.00, 0.72
HSL	81°, 100%, 14%
HSV	81°, 100%, 28%
XYZ	3.3847, 5.0937, 0.8059
YIQ	55.4310, 7.8910, -27.3810

Conversions

Conversions Part 2

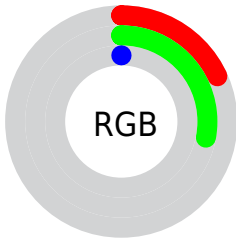
Format	Color
RYB	0, 71, 25
Decimal	3032832
CIELab	27.00, -20.85, 35.02
CIELCh	27, 40.758, 120.760
Yxy	5.0937, 0.3646, 0.5486
Android (android.graphics.Color)	4281222912 (0xFF2E4700)
YUV	55.4310, -27.3275, -8.2710
Hunter-Lab	22.5692, -12.7263, 13.6812

Details

The CIELCh color $27, 40.758, 120.760$ is a dark color, and the websafe version is hex 003300 . A complement of this color would be $6, 49.710, 309.694$, and the grayscale version is $23, 0.004, 296.813$.

A 20% lighter version of the original color is $47, 41.239, 120.891$, and $8, 19.932, 144.443$ is the 20% darker color. If you saturate the color by 10%, you get $27, 40.776, 120.761$, and if you desaturate by 10%, it is $27, 37.696, 120.765$.

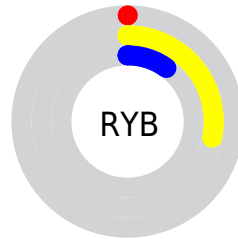
Distribution



Red (18%)

Green (28%)

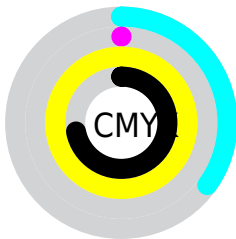
Blue (0%)



Red (0%)

Yellow (28%)

Blue (10%)

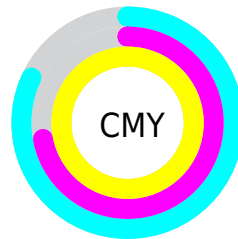


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (72%)



Cyan (82%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 40.758, 120.760 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 27, 40.758, 120.760 by changing the saturation by 10% instead.

 27, 40.758,
120.760


 27, 40.758,
120.760

 100, 40.758,
120.760


 17, 40.758,
120.760

 47, 40.758,
120.760


 7, 40.758, 120.760

 57, 40.758,
120.760

 0, 40.758, 120.760

 67, 40.758,
120.760

 77, 40.758,
120.760

 87, 40.758,
120.760

 97, 40.758,

120.760

■ 27, 40.758,
120.760

■ 27, 40.758,
120.760

■ 27, 40.776,
120.761

■ 27, 37.696,
120.765

■ 27, 34.706,
120.644

■ 28, 31.196,
120.732

■ 28, 27.246,
121.001

■ 28, 22.995,
121.385

■ 29, 18.546,
121.834

■ 29, 13.974,
122.315

■ 29, 9.331, 122.804

■ 30, 4.653, 123.289

Harmonies

Complementary

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



27, 40.758, 120.760



6, 49.710, 309.694

Rectangle

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



27, 40.758, 120.760



27, 40.758, 170.760



27, 40.758, 300.760



27, 40.758, 350.760

Sweetspot

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



27, 40.758, 120.761



37, 17.312, 122.255



16, 31.342, 48.806



18, 11.629, 122.165



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



27, 40.758, 120.761



35, 48.888, 121.234



26, 46.341, 134.393



14, 2.619, 123.354



38, 51.751, 121.391



82, 95.287, 122.508

Inverse Universe

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



6, 49.710, 309.694



10, 60.471, 309.784



12, 46.464, 323.055



13, 2.658, 304.149



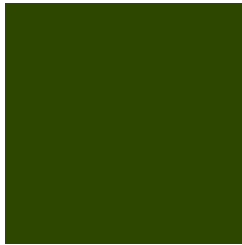
11, 64.023, 309.675



32, 117.985, 308.937

Previews

White Background



This preview shows how the CIELCh color 27, 40.758, 120.760 looks on a white background.

Color Contrast Check

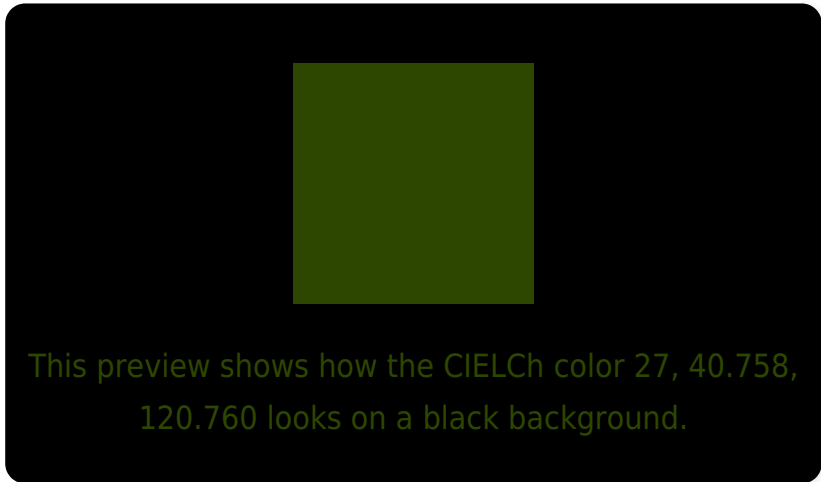
Large Text (above 18pt) WCAG AA ✓ Pass

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 27, 40.758, 120.760

Background



This preview shows how black text looks on a background with the CIELCh color 27, 40.758, 120.760.



This preview shows how white text looks on a background with the CIELCh color 27, 40.758, 120.760.

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

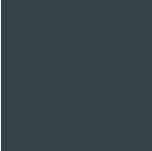
27, 40.758, 120.760

Protanopia

27, 35.982, 96.040

Deuteranopia

27, 30.581, 84.495



Tritanopia
27, 6.182, 230.621

Trichromacy



Original Color
27, 40.758, 120.760

Protanomaly
27, 36.972, 106.224

Deuteranomaly
27, 32.495, 100.775

Tritanomaly
27, 17.048, 136.744

Monochromacy



Original Color
27, 40.758, 120.760

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 17.387, 121.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 40.758, 120.760 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(46, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 71, 0)  
}
```

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(46, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 71, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 40.758, 120.760 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(46, 71, 0) }
```

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

```
.border{ border-color:rgb(46, 71, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 71, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 71, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(46, 71, 0); box-shadow:4px  
4px 4px 4px rgb(46, 71, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 40.758, 120.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 71, 0) }
```

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

```
.background{ background-color: rgb(46, 71,  
0) }
```

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