

Converting Colors

CIELCh(27, 44.789, 149.653)

Have a look what the booklet for
CIELCh(27, 44.789, 149.653)
contains.

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Color

CIELCh(27, 40.725, 144.752)

Conversions

Conversions Part 1

Format	Color
Hex	004B19
RGB	0, 75, 25
RGB Percent	0%, 29%, 10%
CMY	1.0000, 0.7059, 0.9016
CMYK	1.00, 0.00, 0.67, 0.71
HSL	140°, 100%, 15%
HSV	140°, 100%, 29%
XYZ	2.6748, 5.0937, 1.7669
YIQ	46.8750, -28.6500, -31.4500

Conversions

Conversions Part 2

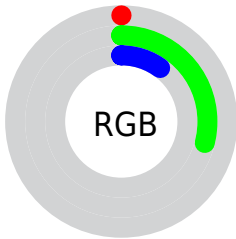
Format	Color
RYB	0, 56, 75
Decimal	19225
CIELab	27.00, -33.26, 23.50
CIELCh	27, 40.725, 144.752
Yxy	5.0937, 0.2805, 0.5342
Android (android.graphics.Color)	4278209305 (0xFF004B19)
YUV	46.8750, -10.7844, -41.1094
Hunter-Lab	22.5692, -18.3407, 11.1566

Details

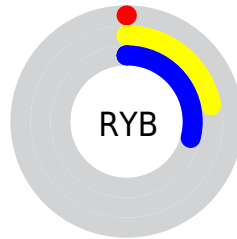
The CIELCh color **27, 40.725, 144.752** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **14, 38.031, 345.123**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 40.813, 144.304**, and **9, 23.127, 144.258** is the 20% darker color. If you saturate the color by 10%, you get **27, 40.563, 144.528**, and if you desaturate by 10%, it is **27, 37.527, 145.892**.

Distribution



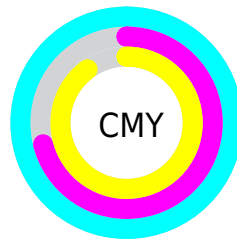
- Red (0%)
- Green (29%)
- Blue (10%)



- Red (0%)
- Yellow (22%)
- Blue (29%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (71%)





- Cyan (100%)
- Magenta (71%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 40.725, 144.752 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, 40.725, 144.752 by changing the saturation by 10% instead.

 27, 40.725,
144.752


 27, 40.725,
144.752

 100, 40.725,
144.752


 17, 40.725,
144.752


 47, 40.725,
144.752


 7, 40.725, 144.752

 57, 40.725,
144.752

 0, 40.725, 144.752

 67, 40.725,
144.752

 77, 40.725,
144.752

 87, 40.725,
144.752

 97, 40.725,

144.752

■ 27, 40.725,
144.752

■ 27, 40.725,
144.752

■ 27, 40.563,
144.528

■ 27, 37.527,
145.892

■ 27, 34.340,
147.513

■ 28, 30.782,
149.013

■ 28, 26.884,
150.356

■ 29, 22.710,
151.548

■ 29, 18.329,
152.602

■ 30, 13.808,
153.533

■ 30, 9.211, 154.359

■ 31, 4.593, 155.105

Harmonies

Complementary

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



27, 40.725, 144.752



14, 38.031, 345.123

Rectangle

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



27, 40.725, 144.752



27, 40.725, 194.752



27, 40.725, 324.752



27, 40.725, 14.752

Sweetspot

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



27, 40.563, 144.528



38, 17.067, 153.435



29, 42.207, 119.996



18, 11.478, 153.253



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



27, 40.563, 144.528



35, 49.294, 143.672



28, 24.138, 176.103



15, 2.604, 155.200



37, 51.268, 143.524



80, 96.151, 141.943

Inverse Universe

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



14, 38.031, 345.123



20, 45.032, 345.961



13, 36.680, 23.835



14, 2.618, 336.221



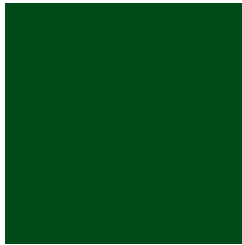
21, 46.623, 346.113



51, 83.242, 347.875

Previews

White Background



This preview shows how the CIELCh color 27, 40.725, 144.752 looks on a white background.

Color Contrast Check

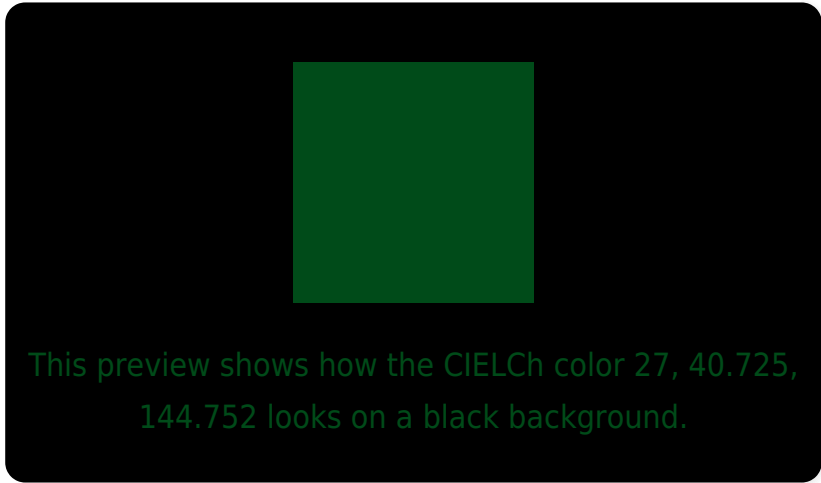
Large Text (above 18pt) WCAG AA ✓ Pass

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

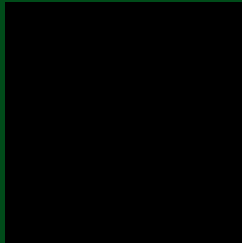
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 40.725, 144.752

Background



This preview shows how black text looks on a background with the CIELCh color 27, 40.725, 144.752.



This preview shows how white text looks on a background with the CIELCh color 27, 40.725, 144.752.

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, 40.601, 144.485

Protanopia

27, 26.374, 95.597

Deuteranopia

27, 22.181, 80.701



Tritanopia
27, 14.371, 213.301

Trichromacy



Original Color
27, 40.601, 144.485

Protanomaly
26, 29.735, 126.077

Deuteranomaly
26, 25.128, 123.821

Tritanomaly
27, 21.889, 169.503

Monochromacy



Original Color
27, 40.601, 144.485

Achromatopsia
19, 0.004, 296.813

Achromatomaly
21, 17.206, 152.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 40.725, 144.752 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(0, 75, 25)` looks like.

```
.text, #text, p{  
    color:rgb(0, 75, 25)  
}
```

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(0, 75, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 75, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 40.725, 144.752 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(0, 75, 25) }
```

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

```
.border{ border-color:rgb(0, 75, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 75, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 75, 25); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 75, 25); box-shadow:4px  
4px 4px 4px rgb(0, 75, 25) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 40.725, 144.752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 75, 25) }
```

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

```
.background{ background-color: rgb(0, 75,  
25) }
```

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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