

Converting Colors

CIELCh(1, 55.816, 328.866)

Have a look what the booklet for
CIELCh(1, 55.816, 328.866) contains.

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Color

CIELCh(7, 35.176, 328.206)

Conversions

Conversions Part 1

Format	Color
Hex	2E002E
RGB	46, 0, 46
RGB Percent	18%, 0%, 18%
CMY	0.8184, 1.0000, 0.8184
CMYK	0.00, 1.00, 0.00, 0.82
HSL	300°, 100%, 9%
HSV	300°, 100%, 18%
XYZ	1.6336, 0.7749, 2.6815
YIQ	18.9980, 12.6500, 24.0580

Conversions

Conversions Part 2

Format	Color
R_{YB}	46, 0, 46
Decimal	3014702
CIE Lab	7.00, 29.90, -18.53
CIE LCh	7, 35.176, 328.206
Yxy	0.7749, 0.3209, 0.1522
Android (android.graphics.Color)	4281204782 (0xFF2E002E)
YUV	18.9980, 13.3120, 23.6808
Hunter-Lab	8.8031, 17.7200, -11.8980

Details

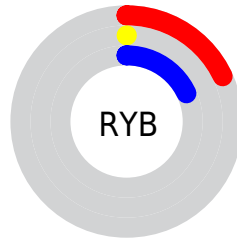
The CIELCh color **7, 35.176, 328.206** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **15, 33.976, 140.097**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **27, 34.371, 328.155**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **7, 34.797, 328.177**, and if you desaturate by 10%, it is **8, 31.820, 327.913**.

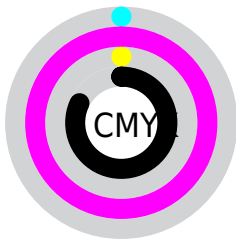
Distribution



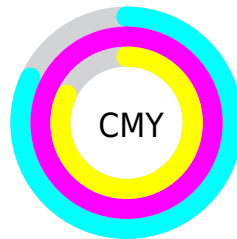
- Red (18%)
- Green (0%)
- Blue (18%)



- Red (18%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (82%)




- Cyan (82%)
- Magenta (100%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 7, 35.176, 328.206 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 7, 35.176, 328.206 by changing the saturation by 10% instead.


 7, 35.176, 328.206


 7, 35.176, 328.206


 97, 35.176,
328.206


 0, 35.176, 328.206

 27, 35.176,
328.206

 37, 35.176,
328.206

 47, 35.176,
328.206

 57, 35.176,
328.206

 67, 35.176,
328.206

 77, 35.176,
328.206

87, 35.176,
328.206

7, 35.176, 328.206

7, 35.176, 328.206

7, 34.797, 328.177

8, 31.820, 327.913

9, 28.976, 327.625

10, 26.137,
327.332

11, 22.901,
326.991

12, 19.363,
326.610

13, 15.618,
326.198

15, 11.750,

325.765

■ 16, 7.827, 325.318

■ 18, 3.898, 324.858

Harmonies

Complementary

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



7, 35.176, 328.206



15, 33.976, 140.097

Rectangle

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



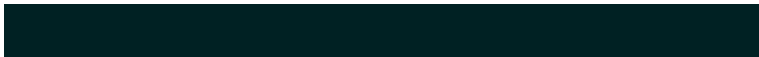
7, 35.176, 328.206



7, 35.176, 18.206



7, 35.176, 148.206



7, 35.176, 198.206

Sweetspot

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



7, 34.797, 328.177



20, 14.852, 325.844



2, 29.588, 294.719



8, 9.887, 325.854



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



7, 34.797, 328.177



12, 41.696, 328.222



6, 25.481, 353.366



7, 1.977, 324.404



19, 52.664, 328.222



51, 101.320, 328.221

Inverse Universe

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



5, 24.130, 20.356



9, 32.193, 26.128



16, 24.880, 153.146



7, 1.112, 19.280



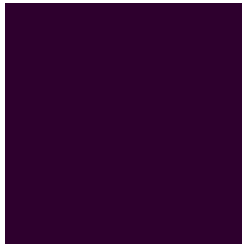
16, 43.792, 33.526



45, 91.670, 39.990

Previews

White Background



This preview shows how the CIELCh color 7, 35.176, 328.206 looks on a white background.

Color Contrast Check

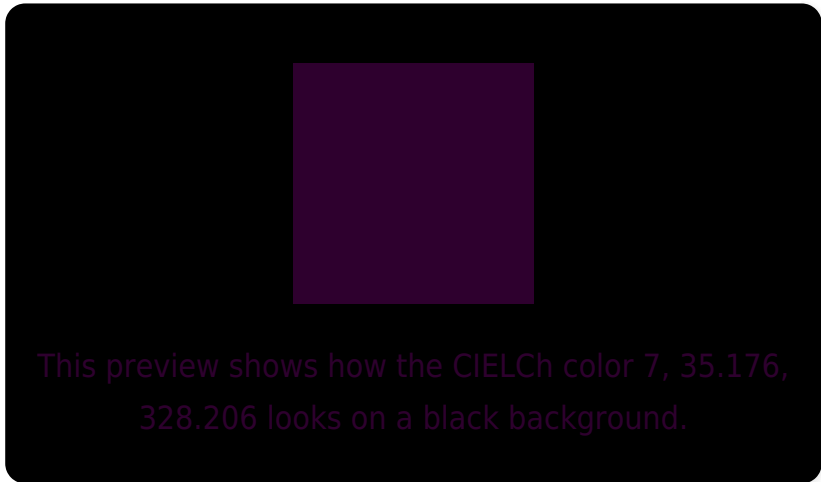
Large Text (above 18pt) WCAG AA ✓ Pass

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

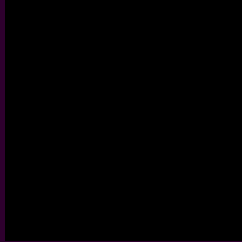
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 7, 35.176, 328.206

Background



This preview shows how black text looks on a background with the CIELCh color 7, 35.176, 328.206.



This preview shows how white text looks on a background with the CIELCh color 7, 35.176, 328.206.

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

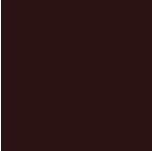
7, 34.614, 328.176

Protanopia

9, 21.405, 277.862

Deuteranopia

10, 13.023, 275.900



Tritanopia
9, 13.888, 20.454

Trichromacy



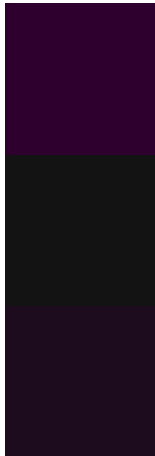
Original Color
7, 34.614, 328.176

Protanomaly
7, 25.516, 298.296

Deuteranomaly
7, 21.419, 307.241

Tritanomaly
8, 19.837, 347.898

Monochromacy



Original Color
7, 34.614, 328.176

Achromatopsia
6, 0.002, 296.812

Achromatomaly
6, 13.785, 325.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 7, 35.176, 328.206 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, 0, 46)` looks like.

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

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, 0, 46) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 7, 35.176, 328.206 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, 0, 46) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 7, 35.176, 328.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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