Converting Colors

CIELCh(7, 16.314, 43.035)

Have a look what the booklet for CIELCh(7, 16.314, 43.035) contains.

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Color

CIELCh(7, 15.972, 41.495)

Conversions

Conversions Part 1

Format	Color
Hex	280E00
RGB	40, 14, 0
RGB Percent	16%, 5%, 0%
CMY	0.8425, 0.9442, 0.9987
CMYK	0.00, 0.65, 0.99, 0.84
HSL	21°, 98%, 8%
HSV	21°, 99%, 16%
XYZ	1.0428, 0.7749, 0.1039
YIQ	20.1780, 19.9900, 1.1580

Conversions

Conversions Part 2

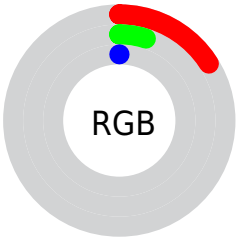
Format	Color
RYB	40, 22, 0
Decimal	2625024
CIELab	7.00, 11.96, 10.58
CIELCh	7, 15.972, 41.495
Yxy	0.7749, 0.5426, 0.4033
Android (android.graphics.Color)	4280815104 (0xFF280E00)
YUV	20.1780, -9.9478, 17.3839
Hunter-Lab	8.8031, 5.7386, 5.4621

Details

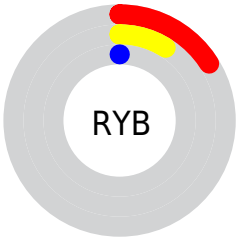
The CIELCh color 7, 15.972, 41.495 is a dark color, and the websafe version is hex 330000. A complement of this color would be 8, 13.022, 252.303, and the grayscale version is 7, 0.002, 296.812.

A 20% lighter version of the original color is 27, 16.077, 40.444, and 0, 0.000, 0.000 is the 20% darker color. If you saturate the color by 10%, you get 7, 16.067, 41.424, and if you desaturate by 10%, it is 8, 14.730, 43.088.

Distribution

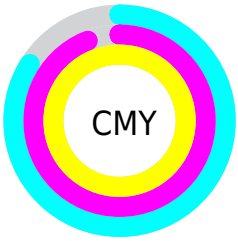


- Red (16%)
- Green (5%)
- Blue (0%)



- Red (16%)
- Yellow (9%)
- Blue (0%)

- Cyan (0%)
- Magenta (65%)
- Yellow (99%)
- Black (84%)



- Cyan (84%)
- Magenta (94%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 7, 15.972, 41.495 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, 15.972, 41.495 by changing the saturation by 10% instead.

7, 15.972, 41.495

97, 15.972, 41.495

27, 15.972, 41.495

37, 15.972, 41.495

47, 15.972, 41.495

57, 15.972, 41.495

67, 15.972, 41.495

77, 15.972, 41.495

87, 15.972, 41.495

7, 15.972, 41.495

0, 15.972, 41.495

7, 15.972, 41.495

7, 15.972, 41.495

7, 16.067, 41.424

8, 14.730, 43.088

9, 13.416, 45.945

9, 12.096, 49.402

10, 10.605, 52.340

11, 8.873, 54.358

12, 6.906, 55.127

13, 4.999, 55.712

14, 3.196, 56.323

15, 1.489, 56.920

Harmonies

Complementary

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

7, 15.972, 41.495

8, 13.022, 252.303

Rectangle

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

7, 15.972, 41.495

7, 15.972, 91.495

7, 15.972, 221.495

7, 15.972, 271.495

Sweetspot

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

7, 15.972, 41.499

18, 6.338, 55.559

5, 23.503, 342.841

7, 3.523, 52.463

63, 0.008, 296.813

9, 0.003, 296.813

Same Dimension

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

7, 15.972, 41.499

10, 21.727, 45.001

13, 19.179, 94.442

6, 0.733, 56.318

19, 37.228, 49.883

50, 80.240, 49.666

Inverse Universe

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

8, 13.022, 252.303

12, 15.589, 255.085

3, 22.051, 288.743

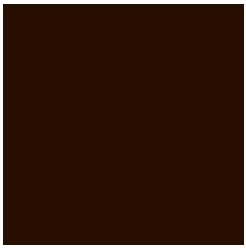
6, 0.737, 238.968

21, 22.668, 260.082

55, 46.609, 265.194

Previews

White Background



This preview shows how the CIELCh color 7, 15.972, 41.495 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, 15.972, 41.495

Background

This preview shows how black text looks on a background with the CIELCh color 7, 15.972, 41.495.

This preview shows how white text looks on a background with the CIELCh color 7, 15.972, 41.495.

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, 15.972, 41.495

Protanopia
8, 9.879, 100.801

Deuteranopia
8, 11.298, 90.014

Tritanopia
7, 14.850, 18.695

Trichromacy

Original Color
7, 15.972, 41.495

Protanomaly
7, 10.076, 72.734

Deuteranomaly
7, 11.664, 67.285

Tritanomaly
7, 15.126, 26.842

Monochromacy

Original Color
7, 15.972, 41.495

Achromatopsia
6, 0.002, 296.812

Achromatomaly
6, 5.199, 50.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 7, 15.972, 41.495 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(40, 14, 0) looks like.

```
.text, #text, p{
    color:rgb(40, 14, 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(40, 14, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 14, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 7, 15.972, 41.495 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(40, 14, 0) }
```

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

```
.border{ border-color:rgb(40, 14, 0) }
```

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

Here you see how a box with a 4 pixel rgb(40, 14, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(40, 14, 0); -webkit-box-shadow:4px 4px 4px 4px rgb(40, 14, 0); box-shadow:4px 4px 4px 4px rgb(40, 14, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 7, 15.972, 41.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(40, 14, 0) }
```

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

```
.background{ background-color:rgb(40, 14, 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.

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