Converting Colors

CIELCh(30, 0.009, 296.813)

Have a look what the booklet for CIELCh(30, 0.009, 296.813) contains.

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Color

CIELCh(30, 0.005, 296.813)

Conversions

Conversions Part 1

Format	Color
Hex	474747
RGB	71, 71, 71
RGB Percent	28%, 28%, 28%
CMY	0.7230, 0.7230, 0.7230
CMYK	0.00, 0.00, 0.00, 0.72
HSL	144°, 0%, 28%
HSV	144°, 0%, 28%
XYZ	5.9272, 6.2359, 6.7910
YIQ	71.0000, -0.0000, -0.0000

Conversions

Conversions Part 2

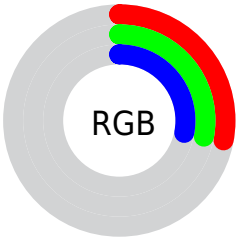
Format	Color
RYB	71, 71, 71
Decimal	4671303
CIELab	30.00, 0.00, -0.00
CIELCh	30, 0.005, 296.813
Yxy	6.2359, 0.3127, 0.3290
Android (android.graphics.Color)	4282861383 (0xFF474747)
YUV	71.0000, 0.0000, 0.0000
Hunter-Lab	24.9718, -1.3323, 1.3566

Details

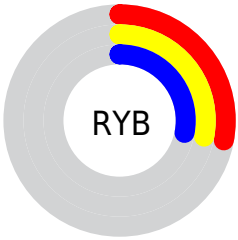
The CIELCh color 30, 0.005, 296.813 is a dark color, and the websafe version is hex 333333. A complement of this color would be 30, 0.005, 302.350, and the grayscale version is 30, 0.005, 296.813.

A 20% lighter version of the original color is 50, 0.007, 296.813, and 10, 0.003, 296.813 is the 20% darker color. If you saturate the color by 10%, you get 29, 4.153, 158.147, and if you desaturate by 10%, it is 31, 4.115, 339.361.

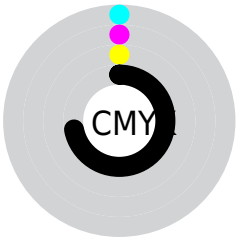
Distribution



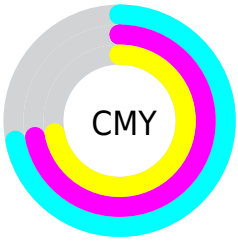
- Red (28%)
- Green (28%)
- Blue (28%)



- Red (28%)
- Yellow (28%)
- Blue (28%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (72%)



- Cyan (72%)
- Magenta (72%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 0.005, 296.813 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 30, 0.005, 296.813 by changing the saturation by 10% instead.

30, 0.005, 296.813

100, 0.005, 296.813

50, 0.005, 296.813

60, 0.005, 296.813

70, 0.005, 296.813

80, 0.005, 296.813

90, 0.005, 296.813

30, 0.005, 296.813

20, 0.005, 296.813

10, 0.005, 296.813

0, 0.005, 296.813

30, 0.005, 296.813

29, 4.153, 158.147

30, 0.005, 296.813

31, 4.115, 339.361

29, 8.319, 157.370

28, 12.457, 156.518

27, 16.518, 155.567

27, 20.450, 154.499

26, 24.192, 153.296

26, 27.688, 151.944

26, 30.886, 150.431

26, 33.779, 148.801

32, 8.161, 339.946

33, 12.122, 340.470

34, 15.988, 340.951

35, 19.752, 341.396

36, 23.409, 341.810

37, 26.959, 342.197

38, 30.404, 342.561

39, 33.746, 342.903

Harmonies

Complementary

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

30, 0.005, 296.813

30, 0.005, 302.350

Rectangle

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

30, 0.005, 296.813

30, 0.005, 346.813

30, 0.005, 116.813

30, 0.005, 166.813

Sweetspot

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

30, 0.004, 289.769

39, 0.006, 296.813

30, 0.004, 294.861

19, 0.004, 296.813

71, 0.009, 296.813

Same Dimension

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

30, 0.004, 289.769

39, 0.006, 296.813

30, 0.005, 289.806

14, 0.003, 296.813

36, 47.479, 146.212

79, 90.080, 144.472

Inverse Universe

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

30, 0.005, 302.350

39, 0.006, 296.813

30, 0.005, 303.372

14, 0.003, 296.813

20, 44.212, 351.221

50, 79.723, 353.648

Previews

White Background

This preview shows how the CIELCh color 30, 0.005, 296.813 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

This preview shows how the CIELCh color 30, 0.005, 296.813 looks on a 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 30, 0.005, 296.813

Background

This preview shows how black text looks on a background with the CIELCh color 30, 0.005, 296.813.

This preview shows how white text looks on a background with the CIELCh color 30, 0.005, 296.813.

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
30, 0.005, 296.813

Protanopia
30, 0.886, 19.254

Deuteranopia
30, 4.452, 354.639

Tritanopia
30, 3.241, 298.408

Trichromacy

Original Color
30, 0.005, 296.813

Protanomaly
30, 0.886, 19.254

Deuteranomaly
30, 2.963, 354.282

Tritanomaly
30, 1.980, 303.232

Monochromacy

Original Color
30, 0.005, 296.813

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 0.005, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 0.005, 296.813 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(71, 71, 71) looks like.

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

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

Here you see how black text with a 4 pixel rgb(71, 71, 71) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 30, 0.005, 296.813 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(71, 71, 71) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 30, 0.005, 296.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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