

Converting Colors

CIELCh(20, 78.204, 351.739)

Have a look what the booklet for
CIELCh(20, 78.204, 351.739)
contains.

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Color

CIELCh(28, 52.672, 0.768)

Conversions

Conversions Part 1

Format	Color
Hex	860043
RGB	134, 0, 67
RGB Percent	53%, 0%, 26%
CMY	0.4750, 1.0000, 0.7376
CMYK	0.00, 1.00, 0.50, 0.47
HSL	330°, 100%, 26%
HSV	330°, 100%, 53%
XYZ	10.8196, 5.4574, 5.7778
YIQ	47.7040, 58.3570, 49.2450

Conversions

Conversions Part 2

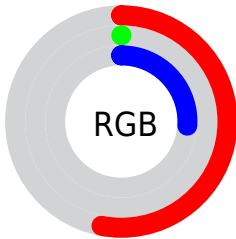
Format	Color
RYB	134, 0, 67
Decimal	8781891
CIELab	28.00, 52.67, 0.71
CIELCh	28, 52.672, 0.768
Yxy	5.4574, 0.4906, 0.2474
Android (android.graphics.Color)	4286971971 (0xFF860043)
YUV	47.7040, 9.5129, 75.6816
Hunter-Lab	23.3610, 41.7896, 1.6887

Details

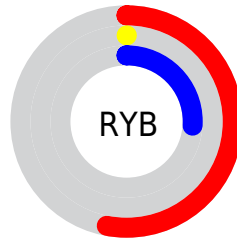
The CIELCh color **28, 52.672, 0.768** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **49, 54.418, 149.824**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 52.753, 0.606**, and **14, 36.100, 13.571** is the 20% darker color. If you saturate the color by 10%, you get **28, 52.634, 0.789**, and if you desaturate by 10%, it is **29, 51.016, 357.417**.

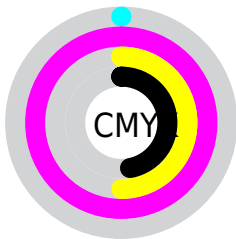
Distribution



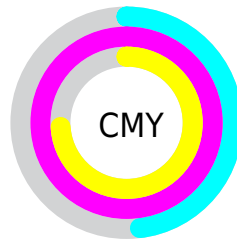
- Red (53%)
- Green (0%)
- Blue (26%)



- Red (53%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (47%)



- Cyan (48%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 52.672, 0.768 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 28, 52.672, 0.768 by changing the saturation by 10% instead.

 28, 52.672, 0.768  28, 52.672, 0.768

 100, 52.672, 0.768  18, 52.672, 0.768

 48, 52.672, 0.768  8, 52.672, 0.768

 58, 52.672, 0.768  0, 52.672, 0.768

 68, 52.672, 0.768

 78, 52.672, 0.768

 88, 52.672, 0.768

 98, 52.672, 0.768

 28, 52.672, 0.768  28, 52.672, 0.768

 28, 52.634, 0.789  29, 51.016,

357.417

■ 30, 48.486,
354.511

■ 32, 44.566,
352.194

■ 35, 39.471,
350.323

■ 38, 33.518,
348.779

■ 41, 27.026,
347.473

■ 45, 20.261,
346.342

■ 48, 13.422,
345.340

■ 52, 6.642, 344.428

Harmonies

Complementary

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



28, 52.672, 0.768



49, 54.418, 149.824

Rectangle

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



28, 52.672, 0.768



28, 52.672, 50.768



28, 52.672, 180.768



28, 52.672, 230.768

Sweetspot

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



28, 52.634, 0.789



57, 25.034, 346.412



20, 77.105, 312.198



27, 17.020, 346.802



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



28, 52.634, 0.789



37, 63.489, 1.807



27, 63.632, 38.730



26, 3.713, 344.349



27, 51.556, 0.661



0, 0.880, 343.662

Inverse Universe

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



28, 52.634, 0.789



37, 63.489, 1.807



50, 31.054, 196.386



26, 3.713, 344.349



27, 51.556, 0.661



0, 0.880, 343.662

Previews

White Background



This preview shows how the CIELCh color 28, 52.672, 0.768 looks on a white background.

Color Contrast Check

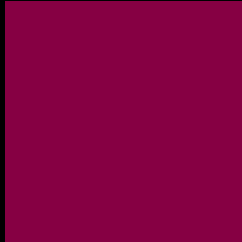
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 28, 52.672, 0.768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

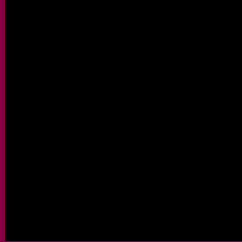
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 52.672, 0.768

Background



This preview shows how black text looks on a background with the CIELCh color 28, 52.672, 0.768.



This preview shows how white text looks on a background with the CIELCh color 28, 52.672, 0.768.

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

28, 52.672, 0.768

Protanopia

30, 18.091, 284.198

Deuteranopia

29, 6.836, 54.084



Tritanopia
29, 51.940, 32.765

Trichromacy



Original Color
28, 52.672, 0.768

Protanomaly
25, 31.874, 328.201

Deuteranomaly
26, 27.708, 359.105

Tritanomaly
28, 50.776, 20.573

Monochromacy



Original Color
28, 52.672, 0.768

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 26.063, 349.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 52.672, 0.768 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(134, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(134, 0, 67)  
}
```

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(134, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 0, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 52.672, 0.768 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(134, 0, 67) }
```

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

```
.border{ border-color:rgb(134, 0, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 0, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(134, 0, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 52.672, 0.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 0, 67) }
```

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

```
.background{ background-color: rgb(134, 0,  
67) }
```

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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