

Converting Colors

CIELCh(28, 52.562, 5.772)

Have a look what the booklet for
CIELCh(28, 52.562, 5.772) contains.

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Color

CIELCh(28, 52.634, 5.983)

Conversions

Conversions Part 1

Format	Color
Hex	87003C
RGB	135, 0, 60
RGB Percent	53%, 0%, 24%
CMY	0.4712, 1.0000, 0.7652
CMYK	0.00, 1.00, 0.56, 0.47
HSL	333°, 100%, 26%
HSV	333°, 100%, 53%
XYZ	10.7767, 5.4574, 4.7440
YIQ	47.2050, 61.2000, 47.2800

Conversions

Conversions Part 2

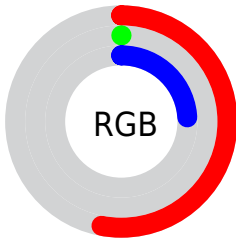
Format	Color
RYB	135, 0, 60
Decimal	8847420
CIELab	28.00, 52.35, 5.49
CIElCh	28, 52.634, 5.983
Yxy	5.4574, 0.5137, 0.2601
Android (android.graphics.Color)	4287037500 (0xFF87003C)
YUV	47.2050, 6.3079, 76.9962
Hunter-Lab	23.3610, 41.4626, 4.3126

Details

The CIELCh color **28, 52.634, 5.983** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **49, 51.589, 152.789**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 52.513, 5.858**, and **14, 37.078, 20.757** is the 20% darker color. If you saturate the color by 10%, you get **28, 52.590, 6.012**, and if you desaturate by 10%, it is **29, 50.660, 2.151**.

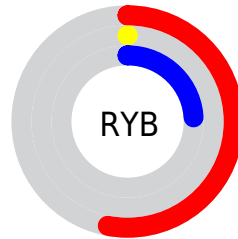
Distribution



Red (53%)

Green (0%)

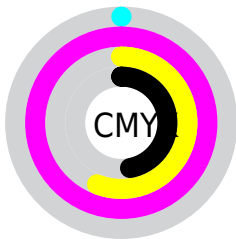
Blue (24%)



Red (53%)

Yellow (0%)

Blue (24%)

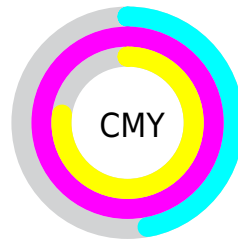


Cyan (0%)

Magenta (100%)

Yellow (56%)

Black (47%)



Cyan (47%)

Magenta (100%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 52.634, 5.983 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, 52.634, 5.983 by changing the saturation by 10% instead.

 28, 52.634, 5.983

 28, 52.634, 5.983

 100, 52.634, 5.983

 18, 52.634, 5.983

 48, 52.634, 5.983

 8, 52.634, 5.983

 58, 52.634, 5.983

 0, 52.634, 5.983

 68, 52.634, 5.983

 78, 52.634, 5.983

 88, 52.634, 5.983

 98, 52.634, 5.983

 28, 52.634, 5.983

 28, 52.634, 5.983

 28, 52.590, 6.012

 29, 50.660, 2.151

■ 30, 47.915,
358.809

■ 32, 43.876,
356.156

■ 35, 38.737,
354.033

■ 38, 32.802,
352.303

■ 41, 26.382,
350.859

■ 45, 19.733,
349.626

■ 48, 13.045,
348.549

■ 52, 6.443, 347.579

Harmonies

Complementary

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



28, 52.634, 5.983



49, 51.589, 152.789

Rectangle

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



28, 52.634, 5.983



28, 52.634, 55.983



28, 52.634, 185.983



28, 52.634, 235.983

Sweetspot

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



28, 52.590, 6.012



58, 24.532, 349.704



21, 76.708, 313.386



28, 16.896, 350.140



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



28, 52.590, 6.012



37, 63.916, 7.195



28, 63.326, 39.694



26, 3.580, 347.495



27, 51.232, 5.831



0, 0.847, 346.775

Inverse Universe

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



28, 52.590, 6.012



37, 63.916, 7.195



49, 29.252, 204.457



26, 3.580, 347.495



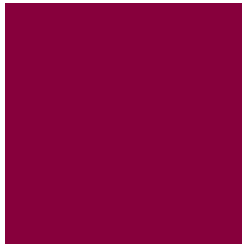
27, 51.232, 5.831



0, 0.847, 346.775

Previews

White Background



This preview shows how the CIELCh color 28, 52.634, 5.983 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, 52.634, 5.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

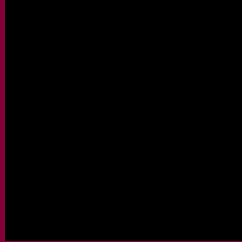
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 52.634, 5.983

Background



This preview shows how black text looks on a background with the CIELCh color 28, 52.634, 5.983.



This preview shows how white text looks on a background with the CIELCh color 28, 52.634, 5.983.

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, 52.634, 5.983

Protanopia

30, 11.623, 284.538

Deuteranopia

30, 11.137, 67.786



Tritanopia
29, 54.141, 34.150

Trichromacy



Original Color
28, 52.634, 5.983

Protanomaly
25, 28.247, 337.133

Deuteranomaly
26, 27.932, 9.242

Tritanomaly
28, 52.688, 24.450

Monochromacy



Original Color
28, 52.634, 5.983

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 25.927, 353.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 52.634, 5.983 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(135, 0, 60)` looks like.

```
.text, #text, p{  
  color:rgb(135, 0, 60)  
}
```

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(135, 0, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 52.634, 5.983 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(135, 0, 60) }
```

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

```
.border{ border-color:rgb(135, 0, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 0, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(135, 0, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 52.634, 5.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 60) }
```

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

```
.background{ background-color: rgb(135, 0,  
60) }
```

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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