

Converting Colors

CIELCh(29, 59.031, 338.813)

Have a look what the booklet for
CIELCh(29, 59.031, 338.813)
contains.

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Color

CIELCh(29, 58.882, 338.805)

Conversions

Conversions Part 1

Format	Color
Hex	820566
RGB	130, 5, 102
RGB Percent	51%, 2%, 40%
CMY	0.4889, 0.9817, 0.5988
CMYK	0.00, 0.96, 0.22, 0.49
HSL	313°, 93%, 26%
HSV	313°, 96%, 51%
XYZ	11.7197, 5.8380, 13.1560
YIQ	53.4330, 43.3630, 56.6670

Conversions

Conversions Part 2

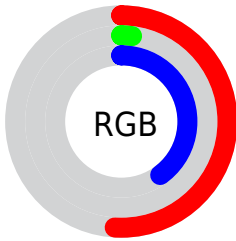
Format	Color
R_{YB}	130, 5, 102
Decimal	8521062
CIE _{Lab}	29.00, 54.90, -21.29
CIE _{LCh}	29, 58.882, 338.805
Yxy	5.8380, 0.3816, 0.1901
Android (android.graphics.Color)	4286711142 (0xFF820566)
YUV	53.4330, 23.9435, 67.1493
Hunter-Lab	24.1619, 44.2978, -15.3696

Details

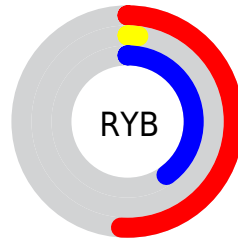
The CIELCh color **29, 58.882, 338.805** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **47, 65.428, 140.108**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 58.454, 338.818**, and **14, 39.732, 341.425** is the 20% darker color. If you saturate the color by 10%, you get **29, 59.406, 339.191**, and if you desaturate by 10%, it is **30, 57.198, 337.735**.

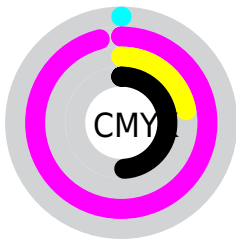
Distribution



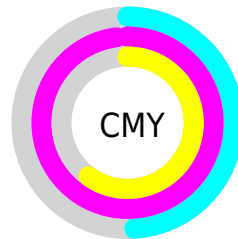
- Red (51%)
- Green (2%)
- Blue (40%)



- Red (51%)
- Yellow (2%)
- Blue (40%)



- Cyan (0%)
- Magenta (96%)
- Yellow (22%)
- Black (49%)





- Cyan (49%)
- Magenta (98%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 58.882, 338.805 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 29, 58.882, 338.805 by changing the saturation by 10% instead.

 29, 58.882,
338.805


 29, 58.882,
338.805

 100, 58.882,
338.805


 19, 58.882,
338.805


 49, 58.882,
338.805


 9, 58.882, 338.805

 59, 58.882,
338.805

 0, 58.882, 338.805

 69, 58.882,
338.805

 79, 58.882,
338.805

 89, 58.882,
338.805

 99, 58.882,

338.805

■ 29, 58.882,
338.805

■ 29, 58.882,
338.805

■ 29, 59.406,
339.191

■ 30, 57.198,
337.735

■ 31, 54.005,
336.783

■ 33, 49.271,
335.928

■ 36, 43.275,
335.139

■ 39, 36.354,
334.396

■ 42, 28.834,
333.686

■ 45, 20.984,
333.005

■ 48, 13.010,
332.346

■ 52, 5.056, 331.692

Harmonies

Complementary

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



29, 58.882, 338.805



47, 65.428, 140.108

Rectangle

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



29, 58.882, 338.805



29, 58.882, 28.805



29, 58.882, 158.805



29, 58.882, 208.805

Sweetspot

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



29, 58.880, 338.805



56, 28.378, 333.222



16, 77.641, 307.361



27, 19.360, 333.466



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



29, 58.880, 338.805



38, 71.356, 339.499



27, 51.943, 19.151



26, 4.513, 331.874



29, 59.317, 339.188



0, 1.074, 331.346

Inverse Universe

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



29, 58.880, 338.805



38, 71.356, 339.499



48, 40.816, 164.538



26, 4.513, 331.874



29, 59.317, 339.188



0, 1.074, 331.346

Previews

White Background



This preview shows how the CIE LCh color 29, 58.882, 338.805 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 29, 58.882, 338.805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

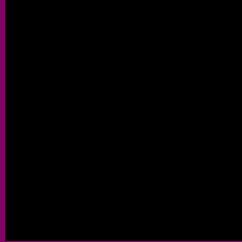
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 58.882, 338.805

Background



This preview shows how black text looks on a background with the CIELCh color 29, 58.882, 338.805.



This preview shows how white text looks on a background with the CIELCh color 29, 58.882, 338.805.

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
29, 58.697, 338.827

Protanopia
30, 48.634, 286.432

Deuteranopia
30, 16.715, 285.526



Tritanopia
30, 41.781, 26.691

Trichromacy



Original Color
29, 58.697, 338.827

Protanomaly
25, 53.971, 302.449

Deuteranomaly
26, 36.628, 321.146

Tritanomaly
29, 45.038, 3.774

Monochromacy



Original Color
29, 58.697, 338.827

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 29.753, 334.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 58.882, 338.805 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(130, 5, 102)` looks like.

```
.text, #text, p{  
    color:rgb(130, 5, 102)  
}
```

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(130, 5, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 5, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 58.882, 338.805 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(130, 5, 102) }
```

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

```
.border{ border-color:rgb(130, 5, 102) }
```

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

Here you see how a box with a 4 pixel rgb(130, 5, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 5, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 5, 102);  
box-shadow:4px 4px 4px 4px rgb(130, 5,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 58.882, 338.805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 5, 102) }
```

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

```
.background{ background-color: rgb(130, 5,  
102) }
```

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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