

Converting Colors

CIELCh(29, 66.791, 38.662)

Have a look what the booklet for
CIELCh(29, 66.791, 38.662) contains.

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Color

CIELCh(29, 66.686, 38.616)

Conversions

Conversions Part 1

Format	Color
Hex	8F0002
RGB	143, 0, 2
RGB Percent	56%, 0%, 1%
CMY	0.4394, 1.0000, 0.9923
CMYK	0.00, 1.00, 0.99, 0.44
HSL	359°, 100%, 28%
HSV	359°, 100%, 56%
XYZ	11.3294, 5.8380, 0.5860
YIQ	42.9850, 84.5860, 30.9380

Conversions

Conversions Part 2

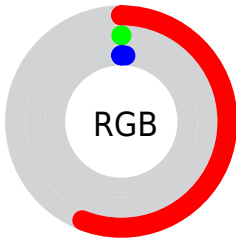
Format	Color
RYB	143, 0, 2
Decimal	9371650
CIELab	29.00, 52.10, 41.62
CIELCh	29, 66.686, 38.616
Yxy	5.8380, 0.6382, 0.3288
Android (android.graphics.Color)	4287561730 (0xFF8F0002)
YUV	42.9850, -20.2056, 87.7132
Hunter-Lab	24.1619, 41.4142, 15.4755

Details

The CIELCh color **29, 66.686, 38.616** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **54, 32.895, 194.346**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **49, 66.890, 38.652**, and **14, 41.690, 32.564** is the 20% darker color. If you saturate the color by 10%, you get **29, 66.678, 38.625**, and if you desaturate by 10%, it is **30, 61.714, 35.901**.

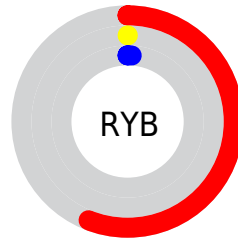
Distribution



Red (56%)

Green (0%)

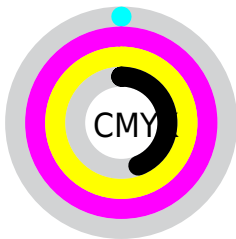
Blue (1%)



Red (56%)

Yellow (0%)

Blue (1%)

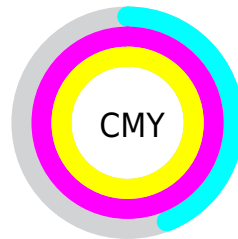


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (44%)



Cyan (44%)

Magenta (100%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 66.686, 38.616 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, 66.686, 38.616 by changing the saturation by 10% instead.

■ 29, 66.686, 38.616

■ 29, 66.686, 38.616

■ 100, 66.686,
38.616

■ 19, 66.686, 38.616

■ 49, 66.686, 38.616

■ 9, 66.686, 38.616

■ 59, 66.686, 38.616

■ 0, 66.686, 38.616

■ 69, 66.686, 38.616

■ 79, 66.686, 38.616

■ 89, 66.686, 38.616

■ 99, 66.686, 38.616

■ 29, 66.686, 38.616

■ 29, 66.686, 38.616

29, 66.678, 38.625

30, 61.714, 35.901

31, 55.316, 32.294

33, 48.138, 28.920

36, 40.629, 26.099

39, 33.076, 23.858

43, 25.693, 22.113

47, 18.632, 20.759

51, 11.980, 19.700

55, 5.770, 18.843

Harmonies

Complementary

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



29, 66.686, 38.616



54, 32.895, 194.346

Rectangle

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



29, 66.686, 38.616



29, 66.686, 88.616



29, 66.686, 218.616



29, 66.686, 268.616

Sweetspot

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



29, 66.678, 38.625



60, 23.162, 20.835



33, 75.157, 327.588



29, 16.136, 21.315



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



29, 66.678, 38.625



39, 81.919, 39.441



38, 55.541, 60.083



28, 3.245, 18.777



27, 63.692, 38.259



0, 2.122, 18.263

Inverse Universe

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



29, 66.678, 38.625



39, 81.919, 39.441



31, 44.494, 281.348



28, 3.245, 18.777



27, 63.692, 38.259



0, 2.122, 18.263

Previews

White Background



This preview shows how the CIELCh color 29, 66.686, 38.616 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 29, 66.686, 38.616

Background



This preview shows how black text looks on a background with the CIELCh color 29, 66.686, 38.616.



This preview shows how white text looks on a background with the CIELCh color 29, 66.686, 38.616.

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, 66.686, 38.616

Protanopia

30, 31.812, 95.692

Deuteranopia

31, 39.828, 85.636



Tritanopia
30, 65.532, 40.691

Trichromacy



Original Color
29, 66.686, 38.616

Protanomaly
27, 39.737, 53.105

Deuteranomaly
27, 46.482, 54.118

Tritanomaly
29, 65.772, 39.795

Monochromacy



Original Color
29, 66.686, 38.616

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 27.359, 26.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 66.686, 38.616 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(143, 0, 2)` looks like.

```
.text, #text, p{  
    color:rgb(143, 0, 2)  
}
```

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(143, 0, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 66.686, 38.616 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(143, 0, 2) }
```

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

```
.border{ border-color:rgb(143, 0, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 0, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(143, 0, 2); box-shadow:4px  
4px 4px 4px rgb(143, 0, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 66.686, 38.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 2) }
```

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

```
.background{ background-color: rgb(143, 0,  
2) }
```

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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