

Converting Colors

CIELCh(26, 78.125, 40.023)

Have a look what the booklet for
CIELCh(26, 78.125, 40.023) contains.

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Color

CIELCh(29, 66.786, 39.127)

Conversions

Conversions Part 1

Format	Color
Hex	8F0101
RGB	143, 1, 1
RGB Percent	56%, 0%, 0%
CMY	0.4405, 0.9953, 0.9976
CMYK	0.00, 0.99, 1.00, 0.44
HSL	0°, 99%, 28%
HSV	0°, 100%, 56%
XYZ	11.2886, 5.8380, 0.5492
YIQ	43.4580, 84.6320, 30.1040

Conversions

Conversions Part 2

Format	Color
RYB	143, 1, 1
Decimal	9371905
CIELab	29.00, 51.81, 42.14
CIElCh	29, 66.786, 39.127
Yxy	5.8380, 0.6386, 0.3303
Android (android.graphics.Color)	4287561985 (0xFF8F0101)
YUV	43.4580, -20.9318, 87.2983
Hunter-Lab	24.1619, 41.1128, 15.5657

Details

The CIELCh color **29, 66.786, 39.127** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **53, 32.307, 197.013**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **49, 66.666, 38.986**, and **14, 41.690, 32.564** is the 20% darker color. If you saturate the color by 10%, you get **29, 66.989, 39.225**, and if you desaturate by 10%, it is **30, 61.801, 36.517**.

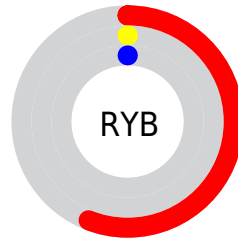
Distribution



Red (56%)

Green (0%)

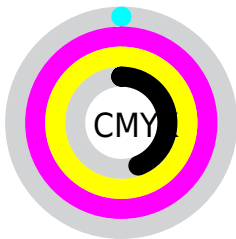
Blue (0%)



Red (56%)

Yellow (0%)

Blue (0%)



Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (44%)



Cyan (44%)

Magenta (100%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 66.786, 39.127 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, 66.786, 39.127 by changing the saturation by 10% instead.

 29, 66.786, 39.127

 29, 66.786, 39.127

 100, 66.786,
39.127

 19, 66.786, 39.127

 49, 66.786, 39.127

 9, 66.786, 39.127

 59, 66.786, 39.127

 0, 66.786, 39.127

 69, 66.786, 39.127

 79, 66.786, 39.127

 89, 66.786, 39.127

 99, 66.786, 39.127

 29, 66.786, 39.127

 29, 66.786, 39.127

29, 66.989, 39.225

30, 61.801, 36.517

31, 55.286, 33.109

34, 47.971, 29.878

36, 40.357, 27.168

39, 32.741, 25.015

43, 25.335, 23.345

47, 18.281, 22.057

51, 11.656, 21.057

55, 5.488, 20.253

Harmonies

Complementary

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



29, 66.786, 39.127



53, 32.307, 197.013

Rectangle

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



29, 66.786, 39.127



29, 66.786, 89.127



29, 66.786, 219.127



29, 66.786, 269.127

Sweetspot

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



29, 66.784, 39.129



60, 23.124, 22.178



34, 74.908, 328.228



29, 16.117, 22.639



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, 66.784, 39.129



39, 82.493, 40.043



39, 54.881, 61.502



28, 3.232, 20.223



27, 64.073, 38.874



0, 2.112, 19.751

Inverse Universe

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



53, 32.307, 197.013



68, 39.325, 197.026



31, 45.721, 282.884



30, 3.056, 199.365



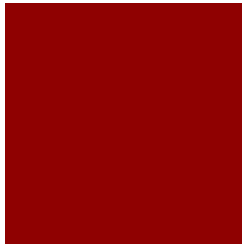
51, 31.086, 197.010



2, 2.112, 199.768

Previews

White Background



This preview shows how the CIELCh color 29, 66.786, 39.127 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 29, 66.786, 39.127 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, 66.786, 39.127

Background



This preview shows how black text looks on a background with the CIELCh color 29, 66.786, 39.127.



This preview shows how white text looks on a background with the CIELCh color 29, 66.786, 39.127.

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, 66.829, 39.010

Protanopia

30, 32.265, 95.718

Deuteranopia

30, 39.665, 84.715



Tritanopia
30, 65.532, 40.691

Trichromacy



Original Color
29, 66.829, 39.010

Protanomaly
26, 39.646, 53.867

Deuteranomaly
27, 46.793, 54.433

Tritanomaly
29, 65.925, 40.190

Monochromacy



Original Color
29, 66.829, 39.010

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 26.989, 27.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 66.786, 39.127 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, 1, 1)` looks like.

```
.text, #text, p{  
    color:rgb(143, 1, 1)  
}
```

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, 1, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 1, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 66.786, 39.127 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, 1, 1) }
```

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

```
.border{ border-color:rgb(143, 1, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 1, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 1, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(143, 1, 1); box-shadow:4px  
4px 4px 4px rgb(143, 1, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 66.786, 39.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 1, 1) }
```

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

```
.background{ background-color: rgb(143, 1,  
1) }
```

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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