

Converting Colors

CIELCh(24, 84.397, 34.265)

Have a look what the booklet for
CIELCh(24, 84.397, 34.265) contains.

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Color

CIELCh(30, 68.310, 39.289)

Conversions

Conversions Part 1

Format	Color
Hex	930201
RGB	147, 2, 1
RGB Percent	58%, 1%, 0%
CMY	0.4238, 0.9933, 0.9968
CMYK	0.00, 0.99, 0.99, 0.42
HSL	0°, 99%, 29%
HSV	0°, 99%, 58%
XYZ	12.0449, 6.2359, 0.5920
YIQ	45.2410, 86.7410, 30.4290

Conversions

Conversions Part 2

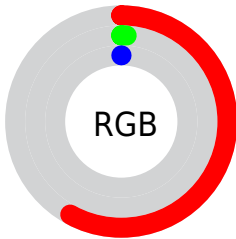
Format	Color
RYB	147, 2, 1
Decimal	9634305
CIELab	30.00, 52.87, 43.26
CIELCh	30, 68.310, 39.289
Yxy	6.2359, 0.6382, 0.3304
Android (android.graphics.Color)	4287824385 (0xFF930201)
YUV	45.2410, -21.8108, 89.2426
Hunter-Lab	24.9718, 42.3970, 16.0746

Details

The CIELCh color **30, 68.310, 39.289** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **55, 32.910, 197.312**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **50, 68.098, 39.210**, and **15, 43.484, 33.400** is the 20% darker color. If you saturate the color by 10%, you get **30, 68.581, 39.422**, and if you desaturate by 10%, it is **31, 63.171, 36.590**.

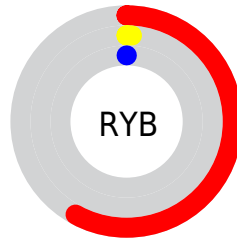
Distribution



Red (58%)

Green (1%)

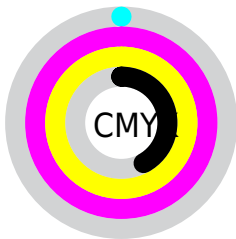
Blue (0%)



Red (58%)

Yellow (1%)

Blue (0%)

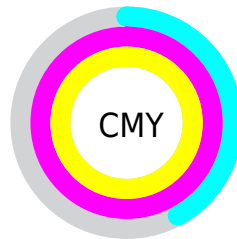


Cyan (0%)

Magenta (99%)

Yellow (99%)

Black (42%)



Cyan (42%)

Magenta (99%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 68.310, 39.289 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 30, 68.310, 39.289 by changing the saturation by 10% instead.

 30, 68.310, 39.289

 30, 68.310, 39.289

 100, 68.310,
39.289

 20, 68.310, 39.289

 50, 68.310, 39.289

 10, 68.310, 39.289

 60, 68.310, 39.289

 0, 68.310, 39.289

 70, 68.310, 39.289

 80, 68.310, 39.289

 90, 68.310, 39.289

 30, 68.310, 39.289

 30, 68.310, 39.289

 30, 68.581, 39.422

 31, 63.171, 36.590

■ 32, 56.496, 33.201

■ 35, 48.998, 29.982

■ 37, 41.197, 27.281

■ 41, 33.400, 25.137

■ 44, 25.822, 23.475

■ 48, 18.607, 22.195

■ 53, 11.836, 21.202

■ 57, 5.533, 20.403

Harmonies

Complementary

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



30, 68.310, 39.289



55, 32.910, 197.312

Rectangle

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



30, 68.310, 39.289



30, 68.310, 89.289



30, 68.310, 219.289



30, 68.310, 269.289

Sweetspot

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



30, 68.308, 39.291



62, 23.601, 22.328



35, 76.508, 328.227



30, 16.454, 22.793



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



30, 68.308, 39.291



40, 84.145, 40.061



40, 56.041, 61.420



29, 3.322, 20.385



28, 65.041, 39.037



1, 2.811, 19.916

Inverse Universe

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



55, 32.910, 197.312



70, 40.012, 197.333



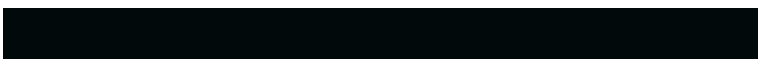
32, 46.771, 282.961



31, 3.140, 199.532



51, 31.425, 197.308



2, 2.811, 199.933

Previews

White Background



This preview shows how the CIELCh color 30, 68.310, 39.289 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 30, 68.310, 39.289 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 30, 68.310, 39.289

Background



This preview shows how black text looks on a background with the CIELCh color 30, 68.310, 39.289.



This preview shows how white text looks on a background with the CIELCh color 30, 68.310, 39.289.

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

30, 68.255, 39.274

Protanopia

31, 32.731, 95.901

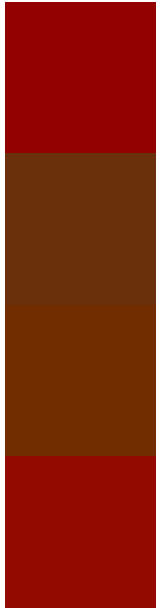
Deuteranopia

31, 40.358, 85.114



Tritanopia
30, 66.984, 40.875

Trichromacy



Original Color
30, 68.255, 39.274

Protanomaly
27, 40.611, 54.521

Deuteranomaly
28, 47.920, 54.306

Tritanomaly
30, 67.382, 40.387

Monochromacy



Original Color
30, 68.255, 39.274

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 27.894, 27.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 68.310, 39.289 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(147, 2, 1)` looks like.

```
.text, #text, p{  
    color:rgb(147, 2, 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(147, 2, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 2, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 68.310, 39.289 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(147, 2, 1) }
```

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

```
.border{ border-color:rgb(147, 2, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 2, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 2, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(147, 2, 1); box-shadow:4px  
4px 4px 4px rgb(147, 2, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 68.310, 39.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 2, 1) }
```

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

```
.background{ background-color: rgb(147, 2,  
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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