

Converting Colors

CIELCh(30, 71.093, 326.840)

Have a look what the booklet for
CIELCh(30, 71.093, 326.840)
contains.

CIELCh(30, 70.980, 327.072)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(30, 70.980, 327.072)

Conversions

Conversions Part 1

Format	Color
Hex	800084
RGB	128, 0, 132
RGB Percent	50%, 0%, 52%
CMY	0.4985, 1.0000, 0.4828
CMYK	0.03, 1.00, 0.00, 0.48
HSL	298°, 100%, 26%
HSV	298°, 100%, 52%
XYZ	13.0361, 6.2359, 22.3021
YIQ	53.3200, 33.9160, 68.1880

Conversions

Conversions Part 2

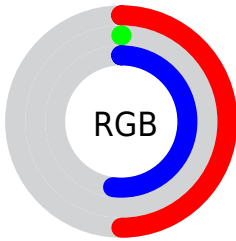
Format	Color
R_{YB}	128, 0, 132
Decimal	8388740
CIE _{Lab}	30.00, 59.58, -38.58
CIE _{LCh}	30, 70.980, 327.072
Yxy	6.2359, 0.3136, 0.1500
Android (android.graphics.Color)	4286578820 (0xFF800084)
YUV	53.3200, 38.7892, 65.4944
Hunter-Lab	24.9718, 49.4819, -35.4711

Details

The CIELCh color **30, 70.980, 327.072** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **48, 73.226, 135.827**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 71.299, 326.925**, and **16, 50.980, 324.749** is the 20% darker color. If you saturate the color by 10%, you get **30, 70.932, 327.069**, and if you desaturate by 10%, it is **31, 68.556, 327.035**.

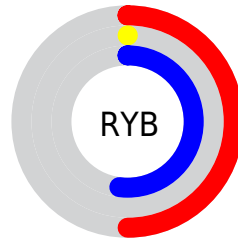
Distribution



Red (50%)

Green (0%)

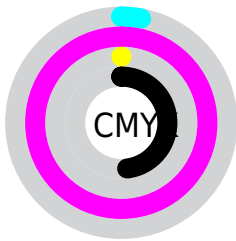
Blue (52%)



Red (50%)

Yellow (0%)

Blue (52%)

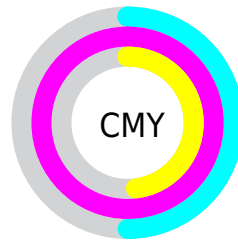


Cyan (3%)

Magenta (100%)

Yellow (0%)

Black (48%)



Cyan (50%)


Magenta (100%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 70.980, 327.072 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, 70.980, 327.072 by changing the saturation by 10% instead.


 30, 70.980,
327.072


 30, 70.980,
327.072

 100, 70.980,
327.072


 20, 70.980,
327.072


 50, 70.980,
327.072


 10, 70.980,
327.072

 60, 70.980,
327.072

 0, 70.980, 327.072

 70, 70.980,
327.072

 80, 70.980,
327.072

 90, 70.980,
327.072

■ 30, 70.980,
327.072

■ 30, 70.980,
327.072

■ 30, 70.932,
327.069

■ 31, 68.556,
327.035

■ 32, 65.002,
326.931

■ 34, 59.792,
326.724

■ 36, 53.142,
326.424

■ 38, 45.369,
326.048

■ 41, 36.814,
325.613

■ 44, 27.784,
325.138

■ 48, 18.525,

324.637

■ 51, 9.224, 324.119

Harmonies

Complementary

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



30, 70.980, 327.072



48, 73.226, 135.827

Rectangle

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



30, 70.980, 327.072



30, 70.980, 17.072



30, 70.980, 147.072



30, 70.980, 197.072

Sweetspot

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



30, 70.932, 327.069



57, 34.323, 325.171



14, 80.254, 305.688



28, 23.562, 325.345



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



30, 70.932, 327.069



40, 85.726, 327.043



28, 52.500, 357.686



26, 5.222, 324.073



30, 70.221, 327.071



0, 1.244, 323.628

Inverse Universe

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



26, 61.907, 37.413



35, 76.065, 38.654



48, 55.627, 148.226



26, 3.050, 17.416



26, 61.199, 37.305



0, 0.708, 16.877

Previews

White Background



This preview shows how the CIELCh color 30, 70.980, 327.072 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 30, 70.980, 327.072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

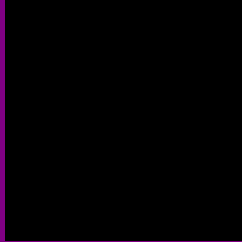
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 70.980, 327.072

Background



This preview shows how black text looks on a background with the CIELCh color 30, 70.980, 327.072.



This preview shows how white text looks on a background with the CIELCh color 30, 70.980, 327.072.

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, 70.980, 327.072

Protanopia

31, 50.990, 286.117

Deuteranopia

31, 32.516, 278.656



Tritanopia
31, 32.139, 22.751

Trichromacy



Original Color
30, 70.980, 327.072

Protanomaly
25, 63.740, 301.289

Deuteranomaly
26, 51.882, 306.574

Tritanomaly
29, 43.859, 348.475

Monochromacy



Original Color
30, 70.980, 327.072

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 35.435, 325.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 70.980, 327.072 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(128, 0, 132)` looks like.

```
.text, #text, p{  
    color:rgb(128, 0, 132)  
}
```

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(128, 0, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 0, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 70.980, 327.072 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(128, 0, 132) }
```

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

```
.border{ border-color:rgb(128, 0, 132) }
```

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

Here you see how a box with a 4 pixel rgb(128, 0, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(128, 0,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 70.980, 327.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 0, 132) }
```

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

```
.background{ background-color: rgb(128, 0,  
132) }
```

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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