

Converting Colors

CIELCh(25, 88.838, 328.594)

Have a look what the booklet for
CIELCh(25, 88.838, 328.594)
contains.

CIELCh(30, 70.538, 327.647)	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, 70.538, 327.647)

Conversions

Conversions Part 1

Format	Color
Hex	810083
RGB	129, 0, 131
RGB Percent	51%, 0%, 51%
CMY	0.4960, 1.0000, 0.4880
CMYK	0.02, 1.00, 0.00, 0.49
HSL	299°, 100%, 26%
HSV	299°, 100%, 51%
XYZ	13.0377, 6.2359, 21.8308
YIQ	53.5050, 34.8330, 68.0890

Conversions

Conversions Part 2

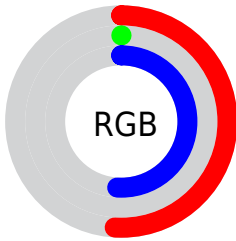
Format	Color
R_{YB}	129, 0, 131
Decimal	8454275
CIE _{Lab}	30.00, 59.59, -37.75
CIE _{LCh}	30, 70.538, 327.647
Yxy	6.2359, 0.3172, 0.1517
Android (android.graphics.Color)	4286644355 (0xFF810083)
YUV	53.5050, 38.2050, 66.2091
Hunter-Lab	24.9718, 49.4936, -34.3521

Details

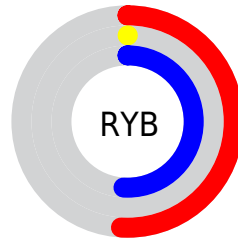
The CIELCh color **30, 70.538, 327.647** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **47, 72.785, 135.919**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 70.468, 327.444**, and **16, 50.463, 325.579** is the 20% darker color. If you saturate the color by 10%, you get **30, 70.365, 327.637**, and if you desaturate by 10%, it is **31, 68.022, 327.565**.

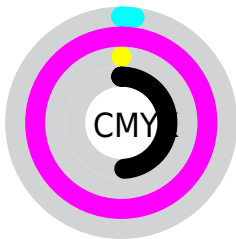
Distribution



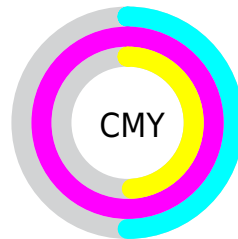
- Red (51%)
- Green (0%)
- Blue (51%)



- Red (51%)
- Yellow (0%)
- Blue (51%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (49%)




- Cyan (50%)
- Magenta (100%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 70.538, 327.647 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, 70.538, 327.647 by changing the saturation by 10% instead.


 30, 70.538,
327.647

 30, 70.538,
327.647

 100, 70.538,
327.647


 20, 70.538,
327.647


 50, 70.538,
327.647


 10, 70.538,
327.647

 60, 70.538,
327.647

 0, 70.538, 327.647

 70, 70.538,
327.647

 80, 70.538,
327.647

 90, 70.538,
327.647

■ 30, 70.538,
327.647

■ 30, 70.538,
327.647

■ 30, 70.365,
327.637

■ 31, 68.022,
327.565

■ 32, 64.526,
327.428

■ 33, 59.393,
327.198

■ 36, 52.823,
326.881

■ 38, 45.126,
326.492

■ 41, 36.638,
326.047

■ 44, 27.664,
325.563

■ 47, 18.453,

325.053

■ 51, 9.190, 324.526

Harmonies

Complementary

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



30, 70.538, 327.647



47, 72.785, 135.919

Rectangle

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



30, 70.538, 327.647



30, 70.538, 17.647



30, 70.538, 147.647



30, 70.538, 197.647

Sweetspot

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



30, 70.365, 327.637



57, 34.458, 325.598



14, 80.527, 305.983



28, 23.651, 325.776



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, 70.365, 327.637



40, 85.661, 327.624



27, 51.893, 359.139



26, 5.246, 324.480



30, 70.169, 327.638



0, 1.250, 324.027

Inverse Universe

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



26, 61.844, 37.929



35, 76.689, 39.268



48, 54.294, 149.046



26, 3.049, 18.621



26, 61.646, 37.898



0, 0.707, 18.113

Previews

White Background



This preview shows how the CIELCh color 30, 70.538, 327.647 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, 70.538, 327.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

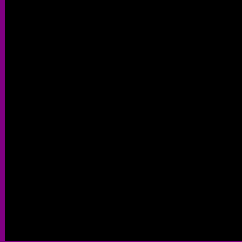
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 70.538, 327.647

Background



This preview shows how black text looks on a background with the CIELCh color 30, 70.538, 327.647.



This preview shows how white text looks on a background with the CIELCh color 30, 70.538, 327.647.

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, 70.538, 327.647

Protanopia

31, 50.990, 286.117

Deuteranopia

31, 31.792, 279.213



Tritanopia
31, 32.992, 22.080

Trichromacy



Original Color
30, 70.538, 327.647

Protanomaly
25, 63.709, 301.452

Deuteranomaly
27, 51.285, 307.313

Tritanomaly
29, 44.276, 349.495

Monochromacy



Original Color
30, 70.538, 327.647

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 34.934, 326.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 70.538, 327.647 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(129, 0, 131)` looks like.

```
.text, #text, p{  
    color:rgb(129, 0, 131)  
}
```

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(129, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 0, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 70.538, 327.647 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(129, 0, 131) }
```

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

```
.border{ border-color:rgb(129, 0, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 0, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(129, 0,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 70.538, 327.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 0, 131) }
```

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

```
.background{ background-color: rgb(129, 0,  
131) }
```

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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