

Converting Colors

CIELCh(24, 98.716, 322.996)

Have a look what the booklet for
CIELCh(24, 98.716, 322.996)
contains.

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Color

CIELCh(30, 78.863, 320.775)

Conversions

Conversions Part 1

Format	Color
Hex	780296
RGB	120, 2, 150
RGB Percent	47%, 1%, 59%
CMY	0.5294, 0.9922, 0.4119
CMYK	0.20, 0.99, 0.00, 0.41
HSL	288°, 97%, 30%
HSV	288°, 99%, 59%
XYZ	13.2672, 6.2359, 29.3402
YIQ	54.1540, 22.8200, 71.0440

Conversions

Conversions Part 2

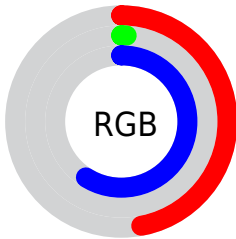
Format	Color
RYB	120, 2, 150
Decimal	7864982
CIELab	30.00, 61.09, -49.87
CIELCh	30, 78.863, 320.775
Yxy	6.2359, 0.2716, 0.1277
Android (android.graphics.Color)	4286055062 (0xFF780296)
YUV	54.1540, 47.2521, 57.7469
Hunter-Lab	24.9718, 51.1344, -52.1816

Details

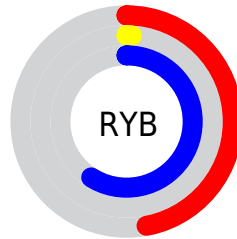
The CIELCh color **30, 78.863, 320.775** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **54, 78.533, 134.463**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 78.733, 320.672**, and **16, 59.603, 316.835** is the 20% darker color. If you saturate the color by 10%, you get **30, 79.248, 320.731**, and if you desaturate by 10%, it is **31, 75.845, 321.119**.

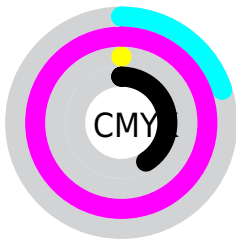
Distribution



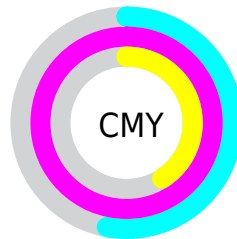
- Red (47%)
- Green (1%)
- Blue (59%)



- Red (47%)
- Yellow (1%)
- Blue (59%)



- Cyan (20%)
- Magenta (99%)
- Yellow (0%)
- Black (41%)





- Cyan (53%)
- Magenta (99%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 78.863, 320.775 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, 78.863, 320.775 by changing the saturation by 10% instead.


 30, 78.863,
320.775


 30, 78.863,
320.775

 100, 78.863,
320.775


 20, 78.863,
320.775


 50, 78.863,
320.775


 10, 78.863,
320.775

 60, 78.863,
320.775

 0, 78.863, 320.775

 70, 78.863,
320.775

 80, 78.863,
320.775

 90, 78.863,
320.775

■ 30, 78.863,
320.775

■ 30, 78.863,
320.775

■ 30, 79.248,
320.731

■ 31, 75.845,
321.119

■ 33, 71.135,
321.281

■ 36, 64.602,
321.247

■ 39, 56.638,
321.059

■ 42, 47.678,
320.760

■ 46, 38.114,
320.387

■ 50, 28.251,
319.971

■ 54, 18.311,

319.534

■ 58, 8.440, 319.088

Harmonies

Complementary

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



30, 78.863, 320.775



54, 78.533, 134.463

Rectangle

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



30, 78.863, 320.775



30, 78.863, 10.775



30, 78.863, 140.775



30, 78.863, 190.775

Sweetspot

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



30, 78.862, 320.775



63, 36.447, 320.053



21, 75.189, 301.100



31, 24.803, 320.213



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, 78.862, 320.775



39, 95.843, 320.593



33, 62.840, 343.139



29, 5.436, 319.111



27, 74.456, 320.784



1, 4.718, 318.734

Inverse Universe

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



31, 61.306, 27.676



41, 75.600, 29.461



54, 71.073, 141.202



29, 3.460, 3.824



28, 57.973, 27.811



1, 2.959, 3.055

Previews

White Background



This preview shows how the CIELCh color 30, 78.863, 320.775 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, 78.863, 320.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

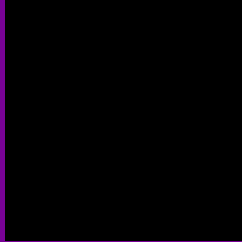
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 78.863, 320.775

Background



This preview shows how black text looks on a background with the CIELCh color 30, 78.863, 320.775.



This preview shows how white text looks on a background with the CIELCh color 30, 78.863, 320.775.

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, 78.878, 320.769

Protanopia

31, 50.406, 285.806

Deuteranopia

31, 37.085, 274.428



Tritanopia
31, 23.137, 17.714

Trichromacy



Original Color
30, 78.878, 320.769

Protanomaly
26, 66.607, 301.019

Deuteranomaly
25, 58.265, 299.548

Tritanomaly
29, 43.327, 336.113

Monochromacy



Original Color
30, 78.878, 320.769

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 38.240, 320.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 78.863, 320.775 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(120, 2, 150)` looks like.

```
.text, #text, p{  
    color:rgb(120, 2, 150)  
}
```

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(120, 2, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 2, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 78.863, 320.775 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(120, 2, 150) }
```

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

```
.border{ border-color:rgb(120, 2, 150) }
```

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

Here you see how a box with a 4 pixel rgb(120, 2, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 2, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 2, 150);  
box-shadow:4px 4px 4px 4px rgb(120, 2,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 78.863, 320.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 2, 150) }
```

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

```
.background{ background-color: rgb(120, 2,  
150) }
```

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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