

Converting Colors

CIELCh(28, 50.427, 339.105)

Have a look what the booklet for
CIELCh(28, 50.427, 339.105)
contains.

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Color

CIELCh(28, 50.669, 338.963)

Conversions

Conversions Part 1

Format	Color
Hex	78185F
RGB	120, 24, 95
RGB Percent	47%, 9%, 37%
CMY	0.5298, 0.9064, 0.6278
CMYK	0.00, 0.80, 0.21, 0.53
HSL	316°, 67%, 28%
HSV	316°, 80%, 47%
XYZ	10.1154, 5.4574, 11.3229
YIQ	60.7980, 34.4250, 42.4330

Conversions

Conversions Part 2

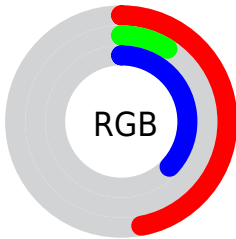
Format	Color
R_{YB}	120, 24, 95
Decimal	7870559
CIE _{Lab}	28.00, 47.29, -18.19
CIE _{LCh}	28, 50.669, 338.963
Yxy	5.4574, 0.3761, 0.2029
Android (android.graphics.Color)	4286060639 (0xFF78185F)
YUV	60.7980, 16.8616, 51.9202
Hunter-Lab	23.3610, 36.4091, -12.3846

Details

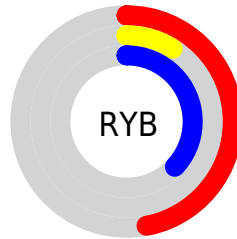
The CIELCh color **28, 50.669, 338.963** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **44, 52.898, 144.063**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 50.856, 338.689**, and **12, 36.830, 340.628** is the 20% darker color. If you saturate the color by 10%, you get **27, 53.104, 340.137**, and if you desaturate by 10%, it is **30, 46.764, 337.944**.

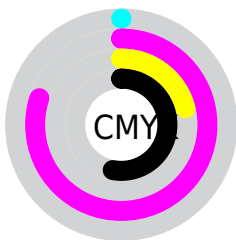
Distribution



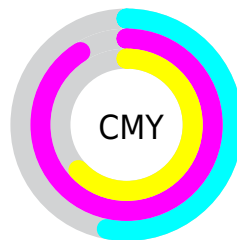
- Red (47%)
- Green (9%)
- Blue (37%)



- Red (47%)
- Yellow (9%)
- Blue (37%)



- Cyan (0%)
- Magenta (80%)
- Yellow (21%)
- Black (53%)





- Cyan (53%)
- Magenta (91%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 50.669, 338.963 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 28, 50.669, 338.963 by changing the saturation by 10% instead.

 28, 50.669,
338.963


 28, 50.669,
338.963

 100, 50.669,
338.963


 18, 50.669,
338.963

 48, 50.669,
338.963


 8, 50.669, 338.963

 58, 50.669,
338.963

 0, 50.669, 338.963

 68, 50.669,
338.963

 78, 50.669,
338.963

 88, 50.669,
338.963

 98, 50.669,

338.963

■ 28, 50.669,
338.963

■ 28, 50.669,
338.963

■ 27, 53.104,
340.137

■ 30, 46.764,
337.944

■ 26, 54.601,
341.406

■ 32, 41.619,
337.035

■ 34, 35.537,
336.203

■ 37, 28.823,
335.428

■ 40, 21.743,
334.697

■ 44, 14.501,
334.001

■ 47, 7.243, 333.329

■ 50, 0.068, 329.447

■ 54, 6.963, 152.174

Harmonies

Complementary

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



28, 50.669, 338.963



44, 52.898, 144.063

Rectangle

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



28, 50.669, 338.963



28, 50.669, 28.963



28, 50.669, 158.963



28, 50.669, 208.963

Sweetspot

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



28, 50.667, 338.963



54, 21.465, 334.310



18, 62.853, 306.878



27, 14.864, 334.514



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



28, 50.667, 338.963



35, 65.247, 341.255



26, 43.415, 14.369



24, 4.110, 333.261



27, 56.204, 341.478



56, 93.733, 342.402

Inverse Universe

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



28, 50.667, 338.963



35, 65.247, 341.255



45, 33.367, 170.353



24, 4.110, 333.261



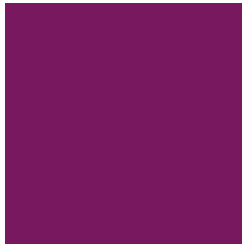
27, 56.204, 341.478



56, 93.733, 342.402

Previews

White Background



This preview shows how the CIELCh color 28, 50.669, 338.963 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 28, 50.669, 338.963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

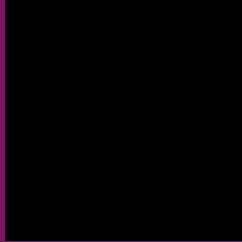
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 50.669, 338.963

Background



This preview shows how black text looks on a background with the CIELCh color 28, 50.669, 338.963.



This preview shows how white text looks on a background with the CIELCh color 28, 50.669, 338.963.

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

28, 50.669, 338.963

Protanopia

29, 40.066, 285.972

Deuteranopia

29, 14.223, 286.626



Tritanopia
28, 36.167, 24.868

Trichromacy



Original Color
28, 50.669, 338.963

Protanomaly
26, 42.552, 303.570

Deuteranomaly
27, 28.859, 321.351

Tritanomaly
28, 38.249, 3.671

Monochromacy



Original Color
28, 50.669, 338.963

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 22.468, 335.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 50.669, 338.963 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, 24, 95)` looks like.

```
.text, #text, p{  
    color:rgb(120, 24, 95)  
}
```

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, 24, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 24, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 50.669, 338.963 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, 24, 95) }
```

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

```
.border{ border-color:rgb(120, 24, 95) }
```

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

Here you see how a box with a 4 pixel rgb(120, 24, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 24, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 24, 95);  
box-shadow:4px 4px 4px 4px rgb(120, 24,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 50.669, 338.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 24, 95) }
```

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

```
.background{ background-color: rgb(120, 24,  
95) }
```

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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