

Converting Colors

CIELCh(47, 13.581, 338.679)

Have a look what the booklet for
CIELCh(47, 13.581, 338.679)
contains.

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Color

CIELCh(47, 13.852, 338.196)

Conversions

Conversions Part 1

Format	Color
Hex	816878
RGB	129, 104, 120
RGB Percent	51%, 41%, 47%
CMY	0.4928, 0.5909, 0.5282
CMYK	0.00, 0.19, 0.07, 0.49
HSL	322°, 11%, 46%
HSV	322°, 19%, 51%
XYZ	17.4935, 16.0195, 20.0403
YIQ	113.2990, 9.7640, 10.2760

Conversions

Conversions Part 2

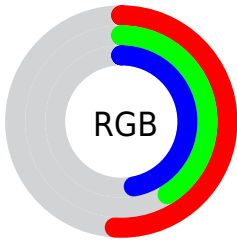
Format	Color
R_{YB}	129, 104, 120
Decimal	8480888
CIE _{Lab}	47.00, 12.86, -5.15
CIE _{LCh}	47, 13.852, 338.196
Yxy	16.0195, 0.3267, 0.2991
Android (android.graphics.Color)	4286670968 (0xFF816878)
YUV	113.2990, 3.3036, 13.7698
Hunter-Lab	40.0243, 7.9746, -1.6697

Details

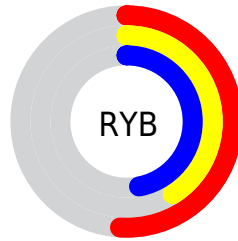
The CIELCh color $[47, 13.852, 338.196]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[52, 13.696, 155.381]$, and the grayscale version is $[48, 0.006, 296.813]$.

A 20% lighter version of the original color is $[67, 13.909, 338.351]$, and $[27, 13.706, 336.860]$ is the 20% darker color. If you saturate the color by 10%, you get $[43, 21.075, 339.007]$, and if you desaturate by 10%, it is $[51, 6.641, 337.433]$.

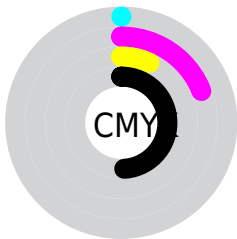
Distribution



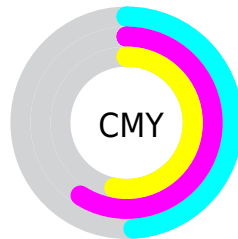
- Red (51%)
- Green (41%)
- Blue (47%)



- Red (51%)
- Yellow (41%)
- Blue (47%)



- Cyan (0%)
- Magenta (19%)
- Yellow (7%)
- Black (49%)




- Cyan (49%)
- Magenta (59%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 13.852, 338.196 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 47, 13.852, 338.196 by changing the saturation by 10% instead.


 47, 13.852,
338.196


 47, 13.852,
338.196


 100, 13.852,
338.196


 37, 13.852,
338.196

 67, 13.852,
338.196


 27, 13.852,
338.196

 77, 13.852,
338.196

 17, 13.852,
338.196


 87, 13.852,
338.196

 7, 13.852, 338.196

 97, 13.852,
338.196

 0, 13.852, 338.196

 47, 13.852,

 47, 13.852,

338.196

43, 21.075,
339.007

40, 28.171,
339.885

37, 34.934,
340.854

34, 41.089,
341.944

32, 46.313,
343.199

30, 50.278,
344.685

29, 52.737,
346.484

28, 54.071,
348.561

338.196

51, 6.641, 337.433

54, 0.459, 157.345

58, 7.395, 156.167

62, 14.138,
155.544

66, 20.675,
154.969

70, 27.006,
154.431

74, 33.137,
153.927

77, 39.078,
153.454

81, 44.842,

■ 28, 54.163,
348.697

153.009

Harmonies

Complementary

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



47, 13.852, 338.196



52, 13.696, 155.381

Rectangle

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



47, 13.852, 338.196



47, 13.852, 28.196



47, 13.852, 158.196



47, 13.852, 208.196

Sweetspot

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



47, 13.850, 338.197



66, 5.278, 337.186



46, 15.338, 304.740



34, 3.486, 337.227



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 13.850, 338.197



59, 20.468, 338.530



47, 10.738, 8.915



25, 3.961, 337.414



27, 53.625, 348.658



0, 0.000, 0.000

Inverse Universe

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



47, 13.850, 338.197



59, 20.468, 338.530



52, 9.850, 185.587



25, 3.961, 337.414



27, 53.625, 348.658



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 13.852, 338.196 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 × Fail

Black Background



This preview shows how the CIELCh color 47, 13.852, 338.196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 13.852, 338.196

Background



This preview shows how black text looks on a background with the CIELCh color 47, 13.852, 338.196.



This preview shows how white text looks on a background with the CIELCh color 47, 13.852, 338.196.

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

47, 13.852, 338.196

Protanopia

47, 7.699, 288.340

Deuteranopia

47, 8.400, 322.633



Tritanopia
47, 10.864, 351.578

Trichromacy



Original Color
47, 13.852, 338.196

Protanomaly
47, 8.914, 311.977

Deuteranomaly
47, 10.062, 330.843

Tritanomaly
47, 11.443, 346.347

Monochromacy



Original Color
47, 13.852, 338.196

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 5.413, 339.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 13.852, 338.196 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, 104, 120)` looks like.

```
.text, #text, p{  
    color:rgb(129, 104, 120)  
}
```

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, 104, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 104, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 13.852, 338.196 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, 104, 120) }
```

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

```
.border{ border-color:rgb(129, 104, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 104, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 104, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 104, 120);  
box-shadow:4px 4px 4px 4px rgb(129, 104,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 13.852, 338.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 104, 120) }
```

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

```
.background{ background-color: rgb(129,  
104, 120) }
```

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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