Converting Colors

CIELCh(17, 55.503, 312.588)

Have a look what the booklet for CIELCh(17, 55.503, 312.588) contains.

Color

CIELCh(17, 55.710, 312.415)

Conversions

Conversions Part 1

Format	Color
Hex	3B1166
RGB	59, 17, 102
RGB Percent	23%, 7%, 40%
CMY	0.7680, 0.9327, 0.5994
CMYK	0.42, 0.83, 0.00, 0.60
HSL	270°, 71%, 23%
HSV	270°, 83%, 40%
XYZ	4.4210, 2.3023, 12.8202
YIQ	39.2480, -2.2530, 35.3390

Conversions

Conversions Part 2

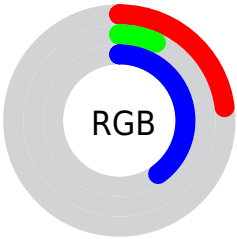
Format	Color
RYB	59, 17, 102
Decimal	3871078
CIELab	17.00, 37.58, -41.13
CIELCh	17, 55.710, 312.415
Yxy	2.3023, 0.2262, 0.1178
Android (android.graphics.Color)	4282061158 (0xFF3B1166)
YUV	39.2480, 30.9367, 17.3225
Hunter-Lab	15.1734, 25.4555, -39.4734

Details

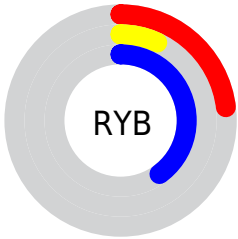
The CIELCh color 17, 55.710, 312.415 is a dark color, and the websafe version is hex 330066. A complement of this color would be 39, 49.421, 126.226, and the grayscale version is 16, 0.003, 296.813.

A 20% lighter version of the original color is 37, 55.889, 312.430, and 3, 36.358, 300.540 is the 20% darker color. If you saturate the color by 10%, you get 15, 60.268, 312.344, and if you desaturate by 10%, it is 19, 50.035, 312.241.

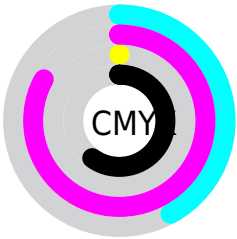
Distribution



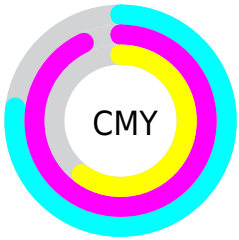
- Red (23%)
- Green (7%)
- Blue (40%)



- Red (23%)
- Yellow (7%)
- Blue (40%)



- Cyan (42%)
- Magenta (83%)
- Yellow (0%)
- Black (60%)



- Cyan (77%)
- Magenta (93%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 55.710, 312.415 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 17, 55.710, 312.415 by changing the saturation by 10% instead.

17, 55.710, 312.415

100, 55.710, 312.415

37, 55.710, 312.415

47, 55.710, 312.415

57, 55.710, 312.415

67, 55.710, 312.415

77, 55.710, 312.415

87, 55.710,

17, 55.710, 312.415

7, 55.710, 312.415

0, 55.710, 312.415

312.415

97, 55.710, 312.415

17, 55.710, 312.415

15, 60.268, 312.344

14, 63.446, 312.396

17, 55.710, 312.415

19, 50.035, 312.241

22, 43.573, 311.883

25, 36.684, 311.421

29, 29.624, 310.913

32, 22.557, 310.396

35, 15.582, 309.894

39, 8.754, 309.420

42, 2.100, 308.961

46, 4.366, 128.618

Harmonies

Complementary

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

17, 55.710, 312.415

39, 49.421, 126.226

Rectangle

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

17, 55.710, 312.415

17, 55.710, 2.415

17, 55.710, 132.415

17, 55.710, 182.415

Sweetspot

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

17, 55.710, 312.415

45, 20.862, 310.018

25, 28.358, 272.912

21, 14.160, 310.140

78, 0.009, 296.813

28, 0.004, 296.813

Same Dimension

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

17, 55.710, 312.415

19, 76.659, 312.076

24, 54.530, 327.407

19, 3.695, 309.226

16, 68.990, 312.245

39, 120.404, 311.573

Inverse Universe

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

22, 40.277, 354.265

28, 52.340, 0.187

37, 55.753, 137.114

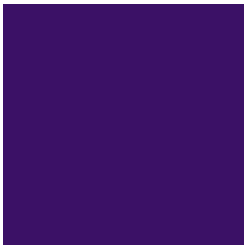
20, 2.990, 343.976

23, 47.254, 359.528

52, 81.487, 2.243

Previews

White Background



This preview shows how the CIELCh color 17, 55.710, 312.415 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

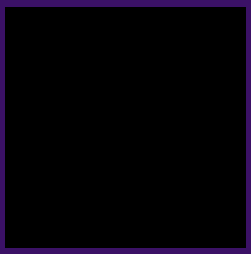
Black Background

Color Contrast Check

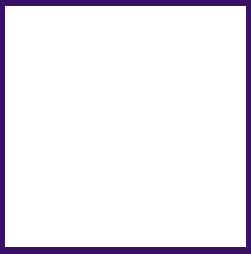
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 17, 55.710, 312.415 Background



This preview shows how black text looks on a background with the CIELCh color 17, 55.710, 312.415.



This preview shows how white text looks on a background with the CIELCh color 17, 55.710, 312.415.

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
17, 55.710, 312.415

Protanopia
17, 32.267, 282.566

Deuteranopia
17, 23.144, 268.064

Tritanopia
18, 2.828, 332.757

Trichromacy

Original Color
17, 55.710, 312.415

Protanomaly
16, 41.636, 296.432

Deuteranomaly
16, 35.569, 293.456

Tritanomaly
16, 24.060, 312.723

Monochromacy

Original Color
17, 55.710, 312.415

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 22.675, 310.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 55.710, 312.415 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(59, 17, 102) looks like.

```
.text, #text, p{
    color:rgb(59, 17, 102)
}
```

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(59, 17, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 17, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 55.710, 312.415 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(59, 17, 102) }
```

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

```
.border{ border-color:rgb(59, 17, 102) }
```

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

Here you see how a box with a 4 pixel rgb(59, 17, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(59, 17, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(59, 17, 102); box-shadow:4px 4px 4px 4px rgb(59, 17, 102) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 55.710, 312.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(59, 17, 102) }
```

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

```
.background{ background-color:rgb(59, 17,
102) }
```

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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