

Converting Colors

CIELCh(19, 48.799, 325.134)

Have a look what the booklet for
CIELCh(19, 48.799, 325.134)
contains.

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Color

CIELCh(19, 48.738, 325.246)

Conversions

Conversions Part 1

Format	Color
Hex	510D57
RGB	81, 13, 87
RGB Percent	32%, 5%, 34%
CMY	0.6814, 0.9478, 0.6580
CMYK	0.07, 0.85, 0.00, 0.66
HSL	295°, 74%, 20%
HSV	295°, 85%, 34%
XYZ	5.2903, 2.7468, 9.3157
YIQ	41.7680, 16.7740, 37.4300

Conversions

Conversions Part 2

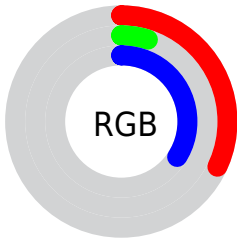
Format	Color
RYB	81, 13, 87
Decimal	5311831
CIELab	19.00, 40.04, -27.78
CIElCh	19, 48.738, 325.246
Yxy	2.7468, 0.3049, 0.1583
Android (android.graphics.Color)	4283501911 (0xFF510D57)
YUV	41.7680, 22.2994, 34.4065
Hunter-Lab	16.5735, 27.9743, -21.7243

Details

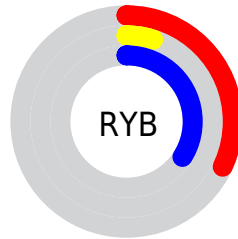
The CIELCh color **19, 48.738, 325.246** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **32, 49.350, 136.339**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 48.715, 325.394**, and **5, 30.233, 323.302** is the 20% darker color. If you saturate the color by 10%, you get **18, 51.585, 325.277**, and if you desaturate by 10%, it is **20, 45.028, 325.128**.

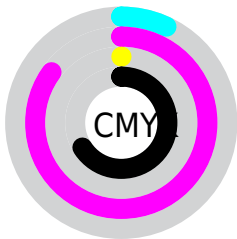
Distribution



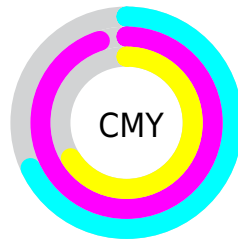
- Red (32%)
- Green (5%)
- Blue (34%)



- Red (32%)
- Yellow (5%)
- Blue (34%)



- Cyan (7%)
- Magenta (85%)
- Yellow (0%)
- Black (66%)



- Cyan (68%)
- Magenta (95%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 48.738, 325.246 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 19, 48.738, 325.246 by changing the saturation by 10% instead.

 19, 48.738,
325.246

 19, 48.738,
325.246

 100, 48.738,
325.246

 9, 48.738, 325.246

 39, 48.738,
325.246

 0, 48.738, 325.246

 49, 48.738,
325.246

 59, 48.738,
325.246

 69, 48.738,
325.246

 79, 48.738,
325.246


 89, 48.738,


325.246


 99, 48.738,
325.246


 19, 48.738,
325.246


 19, 48.738,
325.246

 18, 51.585,
325.277

 20, 45.028,
325.128

 17, 53.120,
325.304

 22, 40.340,
324.905

 24, 34.890,
324.597

 26, 28.903,
324.225

 28, 22.583,
323.809

■ 31, 16.093,
323.364

■ 33, 9.557, 322.904

■ 36, 3.060, 322.418

■ 38, 3.338, 142.051

Harmonies

Complementary

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



19, 48.738, 325.246



32, 49.350, 136.339

Rectangle

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



19, 48.738, 325.246



19, 48.738, 15.246



19, 48.738, 145.246



19, 48.738, 195.246

Sweetspot

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



19, 48.737, 325.246



39, 20.011, 323.411



11, 48.092, 301.068



18, 13.507, 323.504



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



19, 48.737, 325.246



24, 63.380, 325.212



18, 37.295, 348.665



16, 3.594, 322.621



23, 61.321, 325.228



52, 109.056, 325.030

Inverse Universe

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



17, 37.559, 27.870



22, 52.888, 33.844



32, 37.708, 149.765



16, 2.137, 13.252



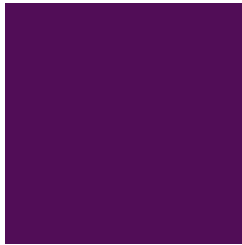
21, 50.869, 33.312



49, 94.835, 37.369

Previews

White Background



This preview shows how the CIE LCh color 19, 48.738, 325.246 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 19, 48.738, 325.246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

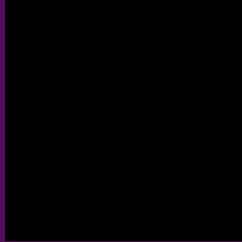
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 48.738, 325.246

Background



This preview shows how black text looks on a background with the CIELCh color 19, 48.738, 325.246.



This preview shows how white text looks on a background with the CIELCh color 19, 48.738, 325.246.

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

19, 48.738, 325.246

Protanopia

20, 35.728, 283.574

Deuteranopia

20, 23.157, 276.491



Tritanopia
20, 19.914, 20.739

Trichromacy



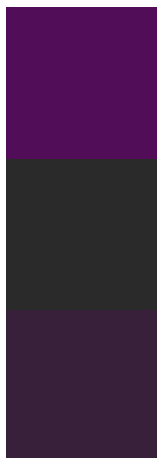
Original Color
19, 48.738, 325.246

Protanomaly
17, 41.264, 297.734

Deuteranomaly
18, 33.192, 302.682

Tritanomaly
19, 27.579, 345.821

Monochromacy



Original Color
19, 48.738, 325.246

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 20.678, 324.233

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 48.738, 325.246 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(81, 13, 87)` looks like.

```
.text, #text, p{  
    color:rgb(81, 13, 87)  
}
```

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(81, 13, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 13, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 48.738, 325.246 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(81, 13, 87) }
```

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

```
.border{ border-color:rgb(81, 13, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 13, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 13, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 13, 87);  
box-shadow:4px 4px 4px 4px rgb(81, 13, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 48.738, 325.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 13, 87) }
```

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

```
.background{ background-color: rgb(81, 13,  
87) }
```

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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