

Converting Colors

CIELCh(5, 106.976, 328.535)

Have a look what the booklet for
CIELCh(5, 106.976, 328.535)
contains.

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Color

CIELCh(19, 56.590, 323.664)

Conversions

Conversions Part 1

Format	Color
Hex	540160
RGB	84, 1, 96
RGB Percent	33%, 0%, 38%
CMY	0.6710, 0.9956, 0.6241
CMYK	0.12, 0.99, 0.00, 0.62
HSL	292°, 98%, 19%
HSV	292°, 99%, 38%
XYZ	5.7647, 2.7468, 11.2597
YIQ	36.6470, 18.9730, 47.1410

Conversions

Conversions Part 2

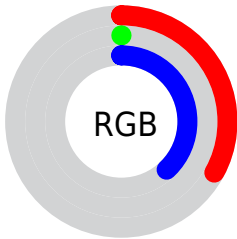
Format	Color
R_{YB}	84, 1, 96
Decimal	5505376
CIE _{Lab}	19.00, 45.59, -33.53
CIE _{LCh}	19, 56.590, 323.664
Yxy	2.7468, 0.2916, 0.1389
Android (android.graphics.Color)	4283695456 (0xFF540160)
YUV	36.6470, 29.2610, 41.5286
Hunter-Lab	16.5735, 33.0829, -28.6789

Details

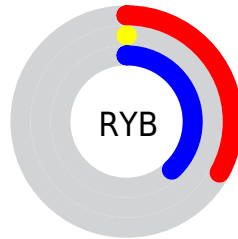
The CIELCh color **19, 56.590, 323.664** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **35, 57.251, 134.977**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 56.704, 323.795**, and **6, 35.573, 319.849** is the 20% darker color. If you saturate the color by 10%, you get **19, 56.949, 323.661**, and if you desaturate by 10%, it is **20, 53.686, 323.728**.

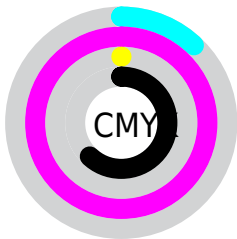
Distribution



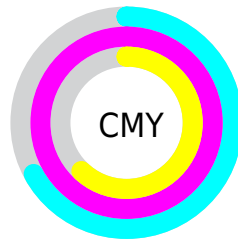
- Red (33%)
- Green (0%)
- Blue (38%)



- Red (33%)
- Yellow (0%)
- Blue (38%)



- Cyan (12%)
- Magenta (99%)
- Yellow (0%)
- Black (62%)



- Cyan (67%)
- Magenta (100%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 56.590, 323.664 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, 56.590, 323.664 by changing the saturation by 10% instead.

 19, 56.590,
323.664

 19, 56.590,
323.664

 100, 56.590,
323.664

 9, 56.590, 323.664


 39, 56.590,
323.664

 0, 56.590, 323.664

 49, 56.590,
323.664

 59, 56.590,
323.664

 69, 56.590,
323.664

 79, 56.590,
323.664


 89, 56.590,


323.664


 99, 56.590,
323.664


 19, 56.590,
323.664


 19, 56.590,
323.664


 19, 56.949,
323.661

 20, 53.686,
323.728

 21, 50.164,
323.732

 23, 45.486,
323.600

 25, 39.887,
323.357

 27, 33.626,
323.032

■ 30, 26.942,
322.648

■ 32, 20.031,
322.227

■ 35, 13.040,
321.787

■ 38, 6.073, 321.333

Harmonies

Complementary

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



19, 56.590, 323.664



35, 57.251, 134.977

Rectangle

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



19, 56.590, 323.664



19, 56.590, 13.664



19, 56.590, 143.664



19, 56.590, 193.664

Sweetspot

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



19, 56.589, 323.664



42, 25.935, 322.318



10, 57.371, 302.666



20, 17.830, 322.441



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



19, 56.589, 323.664



26, 68.745, 323.525



19, 43.694, 348.064



18, 3.897, 321.336



23, 63.642, 323.577



52, 111.346, 323.295

Inverse Universe

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



18, 45.110, 29.710



25, 56.433, 32.604



35, 47.247, 145.055



18, 2.369, 9.659



22, 51.783, 31.722



50, 93.946, 35.216

Previews

White Background



This preview shows how the CIELCh color 19, 56.590, 323.664 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, 56.590, 323.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

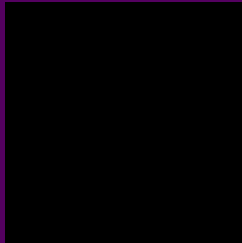
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 56.590, 323.664

Background



This preview shows how black text looks on a background with the CIELCh color 19, 56.590, 323.664.



This preview shows how white text looks on a background with the CIELCh color 19, 56.590, 323.664.

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, 56.689, 323.661

Protanopia

20, 36.908, 284.144

Deuteranopia

20, 27.739, 272.810



Tritanopia
21, 19.774, 20.535

Trichromacy



Original Color
19, 56.689, 323.661

Protanomaly
16, 47.320, 300.621

Deuteranomaly
16, 40.786, 298.812

Tritanomaly
19, 31.405, 342.806

Monochromacy



Original Color
19, 56.689, 323.661

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 26.430, 323.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 56.590, 323.664 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(84, 1, 96)` looks like.

```
.text, #text, p{  
    color:rgb(84, 1, 96)  
}
```

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(84, 1, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 1, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 56.590, 323.664 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(84, 1, 96) }
```

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

```
.border{ border-color:rgb(84, 1, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 1, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 1, 96); -webkit-box-shadow:4px  
4px 4px 4px rgb(84, 1, 96); box-shadow:4px  
4px 4px 4px rgb(84, 1, 96) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 56.590, 323.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 1, 96) }
```

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

```
.background{ background-color: rgb(84, 1,  
96) }
```

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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