

Converting Colors

CIELCh(14, 72.383, 326.892)

Have a look what the booklet for
CIELCh(14, 72.383, 326.892)
contains.

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Color

CIELCh(19, 55.556, 325.100)

Conversions

Conversions Part 1

Format	Color
Hex	55005D
RGB	85, 0, 93
RGB Percent	33%, 0%, 36%
CMY	0.6656, 0.9986, 0.6343
CMYK	0.09, 1.00, 0.00, 0.63
HSL	295°, 99%, 18%
HSV	295°, 100%, 37%
XYZ	5.7627, 2.7468, 10.6436
YIQ	36.0170, 20.8070, 46.9430

Conversions

Conversions Part 2

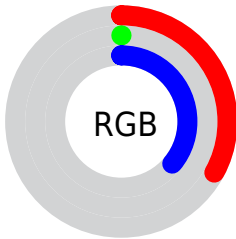
Format	Color
RYB	85, 0, 93
Decimal	5570653
CIELab	19.00, 45.56, -31.79
CIELCh	19, 55.556, 325.100
Yxy	2.7468, 0.3009, 0.1434
Android (android.graphics.Color)	4283760733 (0xFF55005D)
YUV	36.0170, 28.0926, 42.9581
Hunter-Lab	16.5735, 33.0620, -26.4747

Details

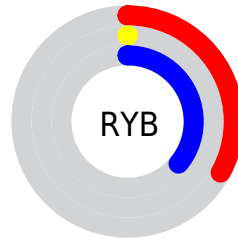
The CIELCh color **19, 55.556, 325.100** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **34, 56.676, 135.263**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 55.397, 325.116**, and **6, 33.790, 322.074** is the 20% darker color. If you saturate the color by 10%, you get **19, 55.666, 325.101**, and if you desaturate by 10%, it is **20, 52.741, 325.092**.

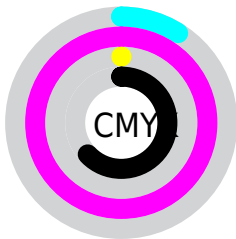
Distribution



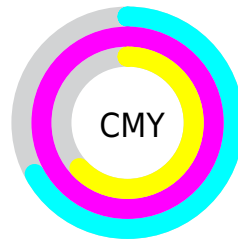
- Red (33%)
- Green (0%)
- Blue (36%)



- Red (33%)
- Yellow (0%)
- Blue (36%)



- Cyan (9%)
- Magenta (100%)
- Yellow (0%)
- Black (63%)



- Cyan (67%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 55.556, 325.100 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, 55.556, 325.100 by changing the saturation by 10% instead.

■ 19, 55.556,
325.100

■ 19, 55.556,
325.100

■ 100, 55.556,
325.100

■ 9, 55.556, 325.100

■ 39, 55.556,
325.100

■ 0, 55.556, 325.100

■ 49, 55.556,
325.100


■ 59, 55.556,
325.100


■ 69, 55.556,
325.100


■ 79, 55.556,
325.100


■ 89, 55.556,


325.100


 99, 55.556,
325.100


 19, 55.556,
325.100


 19, 55.556,
325.100


 19, 55.666,
325.101

 20, 52.741,
325.092

 21, 49.469,
325.047

 23, 45.051,
324.883

 25, 39.692,
324.621

 27, 33.636,
324.281

■ 29, 27.118,
323.884

■ 32, 20.338,
323.451

■ 34, 13.448,
322.995

■ 37, 6.560, 322.526

Harmonies

Complementary

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



19, 55.556, 325.100



34, 56.676, 135.263

Rectangle

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



19, 55.556, 325.100



19, 55.556, 15.100



19, 55.556, 145.100



19, 55.556, 195.100

Sweetspot

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



19, 55.555, 325.100



41, 25.761, 323.510



9, 58.282, 303.617



19, 17.402, 323.630



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



19, 55.555, 325.100



26, 67.477, 325.003



19, 42.328, 350.632



17, 3.767, 322.487



23, 62.378, 325.040



53, 109.998, 324.837

Inverse Universe

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



17, 45.045, 31.206



24, 56.712, 34.504



34, 45.213, 146.333



17, 2.245, 12.866



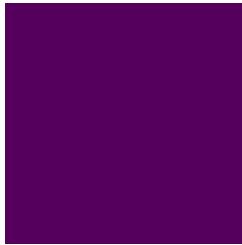
21, 51.773, 33.381



50, 95.392, 37.183

Previews

White Background



This preview shows how the CIE LCh color 19, 55.556, 325.100 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 CIELCh color 19, 55.556, 325.100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

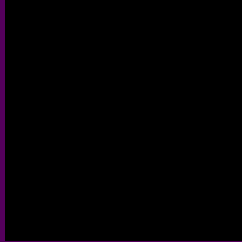
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 55.556, 325.100

Background



This preview shows how black text looks on a background with the CIELCh color 19, 55.556, 325.100.



This preview shows how white text looks on a background with the CIELCh color 19, 55.556, 325.100.

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, 55.556, 325.100

Protanopia
20, 36.908, 284.144

Deuteranopia
21, 25.899, 275.780



Tritanopia
21, 21.352, 21.302

Trichromacy



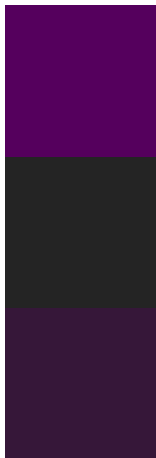
Original Color
19, 55.556, 325.100

Protanomaly
16, 46.694, 300.538

Deuteranomaly
17, 39.297, 302.776

Tritanomaly
19, 31.858, 344.293

Monochromacy



Original Color
19, 55.556, 325.100

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 26.595, 324.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 55.556, 325.100 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(85, 0, 93)` looks like.

```
.text, #text, p{  
    color:rgb(85, 0, 93)  
}
```

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(85, 0, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 0, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 55.556, 325.100 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(85, 0, 93) }
```

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

```
.border{ border-color:rgb(85, 0, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 0, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 0, 93); -webkit-box-shadow:4px  
4px 4px 4px rgb(85, 0, 93); box-shadow:4px  
4px 4px 4px rgb(85, 0, 93) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 55.556, 325.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 0, 93) }
```

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

```
.background{ background-color: rgb(85, 0,  
93) }
```

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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