

Converting Colors

CIELCh(19, 35.401, 300.400)

Have a look what the booklet for
CIELCh(19, 35.401, 300.400)
contains.

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Color

CIELCh(19, 35.503, 300.386)

Conversions

Conversions Part 1

Format	Color
Hex	2C275B
RGB	44, 39, 91
RGB Percent	17%, 15%, 36%
CMY	0.8272, 0.8469, 0.6429
CMYK	0.52, 0.57, 0.00, 0.64
HSL	246°, 40%, 26%
HSV	246°, 57%, 36%
XYZ	3.6585, 2.7468, 10.2466
YIQ	46.4230, -13.7120, 17.2320

Conversions

Conversions Part 2

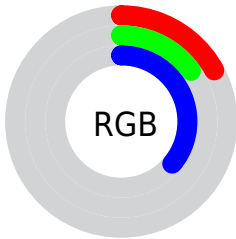
Format	Color
R_{YB}	44, 39, 91
Decimal	2893659
CIE Lab	19.00, 17.96, -30.63
CIE LCh	19, 35.503, 300.386
Yxy	2.7468, 0.2197, 0.1650
Android (android.graphics.Color)	4281083739 (0xFF2C275B)
YUV	46.4230, 21.9765, -2.1250
Hunter-Lab	16.5735, 10.3990, -25.0546

Details

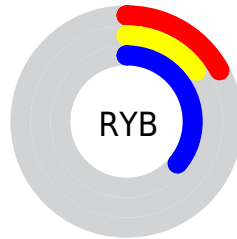
The CIELCh color **19, 35.503, 300.386** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **37, 30.708, 109.766**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 35.754, 300.663**, and **2, 28.886, 294.603** is the 20% darker color. If you saturate the color by 10%, you get **16, 42.308, 301.958**, and if you desaturate by 10%, it is **22, 28.783, 298.917**.

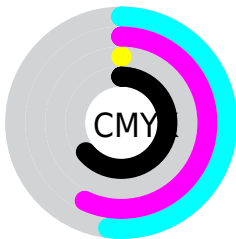
Distribution



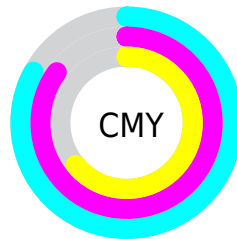
- Red (17%)
- Green (15%)
- Blue (36%)



- Red (17%)
- Yellow (15%)
- Blue (36%)



- Cyan (52%)
- Magenta (57%)
- Yellow (0%)
- Black (64%)



- Cyan (83%)
- Magenta (85%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 35.503, 300.386 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, 35.503, 300.386 by changing the saturation by 10% instead.

■ 19, 35.503,
300.386

■ 19, 35.503,
300.386

■ 100, 35.503,
300.386

■ 9, 35.503, 300.386

■ 39, 35.503,
300.386

■ 0, 35.503, 300.386

■ 49, 35.503,
300.386

■ 59, 35.503,
300.386

■ 69, 35.503,
300.386

■ 79, 35.503,
300.386

■ 89, 35.503,

300.386

99, 35.503,
300.386

19, 35.503,
300.386

19, 35.503,
300.386

16, 42.308,
301.958

22, 28.783,
298.917

13, 48.954,
303.534

26, 22.254,
297.593

10, 54.975,
304.947

29, 15.953,
296.424

8, 60.591, 306.389

33, 9.883, 295.405

7, 62.358, 306.892

36, 4.037, 294.523

40, 1.598, 113.744

■ 43, 7.036, 113.091

■ 46, 12.289,
112.519

■ 50, 17.369,
112.023

Harmonies

Complementary

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



19, 35.503, 300.386



37, 30.708, 109.766

Rectangle

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



19, 35.503, 300.386



19, 35.503, 350.386



19, 35.503, 120.386



19, 35.503, 170.386

Sweetspot

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



19, 35.503, 300.387



42, 12.103, 295.443



34, 16.517, 206.866



20, 8.030, 295.550



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



19, 35.503, 300.387



20, 53.800, 302.596



22, 36.066, 314.295



17, 3.209, 294.665



10, 71.258, 306.814



30, 126.141, 306.541

Inverse Universe

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



25, 35.655, 330.202



30, 50.716, 330.889



35, 33.930, 129.492



17, 3.622, 327.602



24, 57.746, 332.264



55, 101.309, 332.555

Previews

White Background



This preview shows how the CIE LCh color 19, 35.503, 300.386 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, 35.503, 300.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

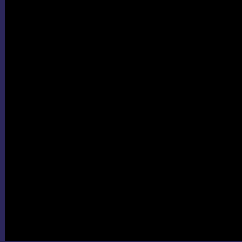
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 35.503, 300.386

Background



This preview shows how black text looks on a background with the CIELCh color 19, 35.503, 300.386.



This preview shows how white text looks on a background with the CIELCh color 19, 35.503, 300.386.

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

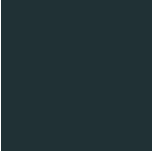
19, 35.503, 300.386

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 26.016, 272.237



Tritanopia
19, 7.467, 219.855

Trichromacy



Original Color
19, 35.503, 300.386

Protanomaly
19, 35.053, 287.810

Deuteranomaly
18, 29.229, 282.858

Tritanomaly
19, 15.346, 281.140

Monochromacy



Original Color
19, 35.503, 300.386

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 13.144, 296.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 35.503, 300.386 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(44, 39, 91)` looks like.

```
.text, #text, p{  
    color:rgb(44, 39, 91)  
}
```

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(44, 39, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 39, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 35.503, 300.386 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(44, 39, 91) }
```

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

```
.border{ border-color:rgb(44, 39, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 39, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 39, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 39, 91);  
box-shadow:4px 4px 4px 4px rgb(44, 39, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 35.503, 300.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 39, 91) }
```

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

```
.background{ background-color: rgb(44, 39,  
91) }
```

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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