

Converting Colors

CIELCh(19, 34.043, 291.405)

Have a look what the booklet for
CIELCh(19, 34.043, 291.405)
contains.

CIELCh(19, 34.101, 291.362)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 34.101, 291.362)

Conversions

Conversions Part 1

Format	Color
Hex	1D2B5D
RGB	29, 43, 93
RGB Percent	11%, 17%, 36%
CMY	0.8878, 0.8325, 0.6366
CMYK	0.69, 0.54, 0.00, 0.64
HSL	227°, 53%, 24%
HSV	227°, 69%, 36%
XYZ	3.3102, 2.7468, 10.6339
YIQ	44.5140, -24.3940, 12.5820

Conversions

Conversions Part 2

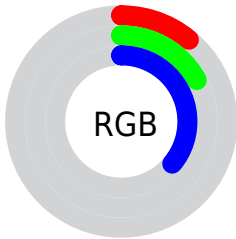
Format	Color
RYB	29, 40, 93
Decimal	1911645
CIELab	19.00, 12.42, -31.76
CIELCh	19, 34.101, 291.362
Yxy	2.7468, 0.1983, 0.1646
Android (android.graphics.Color)	4280101725 (0xFF1D2B5D)
YUV	44.5140, 23.9036, -13.6058
Hunter-Lab	16.5735, 6.6480, -26.4400

Details

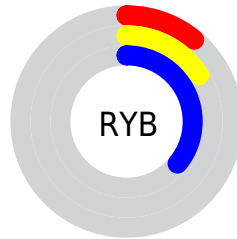
The CIELCh color **19, 34.101, 291.362** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **34, 30.840, 91.269**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 34.242, 291.533**, and **2, 30.477, 295.305** is the 20% darker color. If you saturate the color by 10%, you get **16, 39.624, 294.104**, and if you desaturate by 10%, it is **22, 28.722, 288.850**.

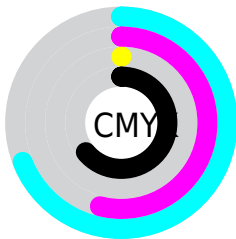
Distribution



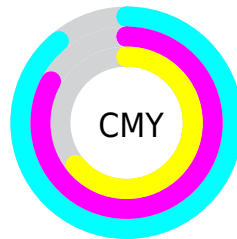
- Red (11%)
- Green (17%)
- Blue (36%)



- Red (11%)
- Yellow (16%)
- Blue (36%)



- Cyan (69%)
- Magenta (54%)
- Yellow (0%)
- Black (64%)



- Cyan (89%)
- Magenta (83%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 34.101, 291.362 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, 34.101, 291.362 by changing the saturation by 10% instead.

■ 19, 34.101,
291.362

■ 19, 34.101,
291.362

■ 100, 34.101,
291.362

■ 9, 34.101, 291.362

■ 39, 34.101,
291.362

■ 0, 34.101, 291.362

■ 49, 34.101,
291.362

■ 59, 34.101,
291.362

■ 69, 34.101,
291.362

■ 79, 34.101,
291.362

■ 89, 34.101,

291.362

■ 99, 34.101,
291.362

■ 19, 34.101,
291.362

■ 19, 34.101,
291.362

■ 16, 39.624,
294.104

■ 22, 28.722,
288.850

■ 14, 45.204,
296.969

■ 25, 23.508,
286.611

■ 11, 50.698,
299.512

■ 28, 18.456,
284.649

■ 11, 51.173,
299.706

■ 31, 13.552,
282.947

■ 34, 8.783, 281.475

■ 37, 4.138, 280.211

■ 40, 0.390, 98.832

■ 43, 4.809, 98.094

■ 46, 9.122, 97.257

Harmonies

Complementary

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



19, 34.101, 291.362



34, 30.840, 91.269

Rectangle

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



19, 34.101, 291.362



19, 34.101, 341.362



19, 34.101, 111.362



19, 34.101, 161.362

Sweetspot

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



19, 34.101, 291.363



43, 11.964, 281.827



35, 24.369, 173.679



21, 8.180, 282.082



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, 34.101, 291.363



21, 51.824, 295.943



17, 44.023, 306.074



17, 2.523, 280.176



14, 58.774, 300.358



35, 109.850, 302.183

Inverse Universe

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



21, 31.181, 12.356



26, 44.955, 17.973



37, 37.551, 117.043



17, 2.330, 2.421



21, 48.201, 24.967



50, 87.526, 28.869

Previews

White Background



This preview shows how the CIE LCh color 19, 34.101, 291.362 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, 34.101, 291.362 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, 34.101, 291.362

Background



This preview shows how black text looks on a background with the CIELCh color 19, 34.101, 291.362.



This preview shows how white text looks on a background with the CIELCh color 19, 34.101, 291.362.

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, 34.101, 291.362

Protanopia

19, 34.499, 284.305

Deuteranopia

19, 25.438, 271.249



Tritanopia
19, 15.571, 206.924

Trichromacy



Original Color
19, 34.101, 291.362

Protanomaly
19, 34.386, 286.446

Deuteranomaly
18, 28.735, 280.016

Tritanomaly
18, 17.469, 254.805

Monochromacy



Original Color
19, 34.101, 291.362

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 12.553, 282.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 34.101, 291.362 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(29, 43, 93)` looks like.

```
.text, #text, p{  
    color:rgb(29, 43, 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(29, 43, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 43, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 34.101, 291.362 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(29, 43, 93) }
```

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

```
.border{ border-color:rgb(29, 43, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 43, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 43, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 43, 93);  
box-shadow:4px 4px 4px 4px rgb(29, 43, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 34.101, 291.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 43, 93) }
```

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

```
.background{ background-color: rgb(29, 43,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor