

Converting Colors

CIELCh(19, 34.522, 283.137)

Have a look what the booklet for
CIELCh(19, 34.522, 283.137)
contains.

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Color

CIELCh(19, 34.603, 283.416)

Conversions

Conversions Part 1

Format	Color
Hex	012D5F
RGB	1, 45, 95
RGB Percent	0%, 18%, 37%
CMY	0.9968, 0.8220, 0.6256
CMYK	0.99, 0.52, 0.00, 0.63
HSL	212°, 98%, 19%
HSV	212°, 99%, 37%
XYZ	3.0502, 2.7468, 11.3058
YIQ	37.5440, -42.2740, 6.2220

Conversions

Conversions Part 2

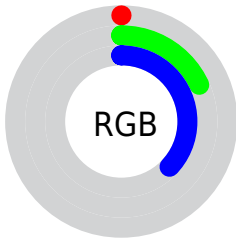
Format	Color
R _Y B	1, 31, 95
Decimal	77151
CIE Lab	19.00, 8.03, -33.66
CIE LCh	19, 34.603, 283.416
Yxy	2.7468, 0.1783, 0.1606
Android (android.graphics.Color)	4278267231 (0xFF012D5F)
YUV	37.5440, 28.3258, -32.0491
Hunter-Lab	16.5735, 3.8472, -28.8439

Details

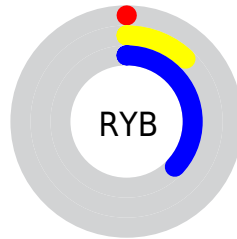
The CIELCh color **19, 34.603, 283.416** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **26, 39.679, 65.252**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 34.624, 283.540**, and **2, 30.820, 295.246** is the 20% darker color. If you saturate the color by 10%, you get **19, 34.918, 283.700**, and if you desaturate by 10%, it is **21, 31.027, 279.786**.

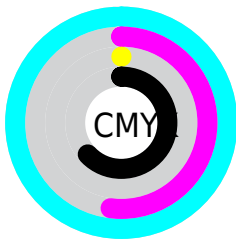
Distribution



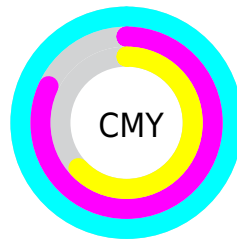
- Red (0%)
- Green (18%)
- Blue (37%)



- Red (0%)
- Yellow (12%)
- Blue (37%)



- Cyan (99%)
- Magenta (52%)
- Yellow (0%)
- Black (63%)



- Cyan (100%)
- Magenta (82%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 34.603, 283.416 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, 34.603, 283.416 by changing the saturation by 10% instead.

■ 19, 34.603,
283.416

■ 19, 34.603,
283.416

■ 100, 34.603,
283.416

■ 9, 34.603, 283.416

■ 39, 34.603,
283.416

■ 0, 34.603, 283.416

■ 49, 34.603,
283.416

■ 59, 34.603,
283.416


■ 69, 34.603,
283.416


■ 79, 34.603,
283.416


■ 89, 34.603,


283.416

 99, 34.603,
283.416


 19, 34.603,
283.416


 19, 34.603,
283.416


 19, 34.918,
283.700

 21, 31.027,
279.786

 23, 27.577,
275.988

 25, 24.165,
272.548

 27, 20.756,
269.512

 29, 17.325,
266.880

■ 31, 13.860,
264.621

■ 34, 10.358,
262.692

■ 36, 6.825, 261.051

■ 38, 3.268, 259.671

Harmonies

Complementary

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



19, 34.603, 283.416



26, 39.679, 65.252

Rectangle

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



19, 34.603, 283.416



19, 34.603, 333.416



19, 34.603, 103.416



19, 34.603, 153.416

Sweetspot

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



19, 34.603, 283.418



44, 13.299, 263.016



35, 41.034, 151.752



21, 9.135, 263.561



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, 34.603, 283.418



26, 43.585, 285.202



8, 64.489, 306.225



19, 2.030, 259.640



23, 39.893, 284.648



50, 74.237, 287.553

Inverse Universe

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



19, 41.118, 1.404



26, 49.881, 3.118



39, 46.986, 103.852



18, 2.797, 345.894



23, 46.220, 2.564



51, 80.574, 5.618

Previews

White Background



This preview shows how the CIE LCh color 19, 34.603, 283.416 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, 34.603, 283.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

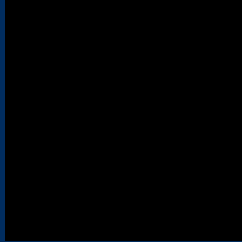
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 34.603, 283.416

Background



This preview shows how black text looks on a background with the CIELCh color 19, 34.603, 283.416.



This preview shows how white text looks on a background with the CIELCh color 19, 34.603, 283.416.

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, 34.582, 283.595

Protanopia

19, 34.402, 285.183

Deuteranopia

19, 25.443, 270.672



Tritanopia
19, 15.854, 204.108

Trichromacy



Original Color
19, 34.582, 283.595

Protanomaly
19, 34.459, 284.658

Deuteranomaly
19, 28.974, 276.585

Tritanomaly
19, 18.160, 247.501

Monochromacy



Original Color
19, 34.582, 283.595

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 13.713, 266.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 34.603, 283.416 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(1, 45, 95)` looks like.

```
.text, #text, p{  
    color:rgb(1, 45, 95)  
}
```

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(1, 45, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 45, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 34.603, 283.416 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(1, 45, 95) }
```

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

```
.border{ border-color:rgb(1, 45, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 45, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 45, 95); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 45, 95); box-shadow:4px  
4px 4px 4px rgb(1, 45, 95) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 34.603, 283.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 45, 95) }
```

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

```
.background{ background-color: rgb(1, 45,  
95) }
```

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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