

Converting Colors

CIELCh(10, 61.892, 250.087)

Have a look what the booklet for
CIELCh(10, 61.892, 250.087)
contains.

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Color

CIELCh(19, 46.916, 292.316)

Conversions

Conversions Part 1

Format	Color
Hex	01296E
RGB	1, 41, 110
RGB Percent	0%, 16%, 43%
CMY	0.9967, 0.8380, 0.5671
CMYK	0.99, 0.63, 0.00, 0.57
HSL	218°, 99%, 22%
HSV	218°, 99%, 43%
XYZ	3.6492, 2.7468, 15.1984
YIQ	36.9060, -45.9890, 12.9790

Conversions

Conversions Part 2

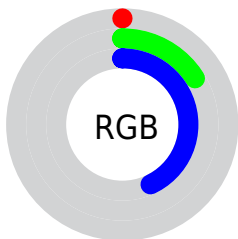
Format	Color
R_{YB}	1, 30, 110
Decimal	76142
CIE _{Lab}	19.00, 17.81, -43.40
CIE _{LCh}	19, 46.916, 292.316
Yxy	2.7468, 0.1690, 0.1272
Android (android.graphics.Color)	4278266222 (0xFF01296E)
YUV	36.9060, 36.0353, -31.4896
Hunter-Lab	16.5735, 10.2986, -42.7690

Details

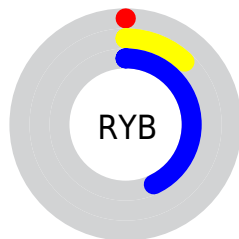
The CIELCh color **19, 46.916, 292.316** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **33, 44.211, 73.921**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 46.392, 292.128**, and **3, 42.690, 301.121** is the 20% darker color. If you saturate the color by 10%, you get **19, 47.309, 292.548**, and if you desaturate by 10%, it is **21, 41.763, 288.922**.

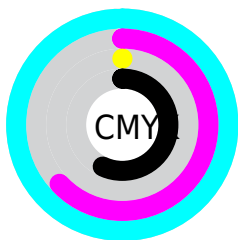
Distribution



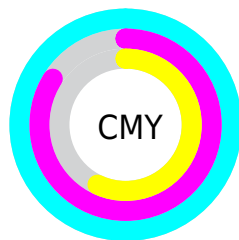
- Red (0%)
- Green (16%)
- Blue (43%)



- Red (0%)
- Yellow (12%)
- Blue (43%)



- Cyan (99%)
- Magenta (63%)
- Yellow (0%)
- Black (57%)





- Cyan (100%)
- Magenta (84%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 46.916, 292.316 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, 46.916, 292.316 by changing the saturation by 10% instead.

 19, 46.916,
292.316


 19, 46.916,
292.316


 100, 46.916,
292.316


 9, 46.916, 292.316


 39, 46.916,
292.316

 0, 46.916, 292.316

 49, 46.916,
292.316


 59, 46.916,
292.316


 69, 46.916,
292.316


 79, 46.916,
292.316

 89, 46.916,


292.316


 99, 46.916,
292.316


 19, 46.916,
292.316


 19, 46.916,
292.316


 19, 47.309,
292.548

 21, 41.763,
288.922

 24, 36.741,
285.387

 27, 31.844,
282.106

 29, 27.056,
279.159

 32, 22.356,
276.569

■ 35, 17.721,
274.323

■ 38, 13.138,
272.390

■ 41, 8.604, 270.730

■ 44, 4.115, 269.317

Harmonies

Complementary

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



19, 46.916, 292.316



33, 44.211, 73.921

Rectangle

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



19, 46.916, 292.316



19, 46.916, 342.316



19, 46.916, 112.316



19, 46.916, 162.316

Sweetspot

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



19, 46.916, 292.318



48, 16.658, 272.669



41, 41.146, 157.138



23, 11.304, 273.255



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



19, 46.916, 292.318



25, 58.546, 293.621



11, 71.000, 306.820



22, 2.536, 269.287



21, 50.653, 292.921



45, 91.817, 295.160

Inverse Universe

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



22, 45.571, 11.569



30, 55.273, 13.381



44, 52.545, 109.636



22, 2.973, 352.050



24, 48.591, 12.375



53, 83.728, 15.709

Previews

White Background



This preview shows how the CIE LCh color 19, 46.916, 292.316 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, 46.916, 292.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

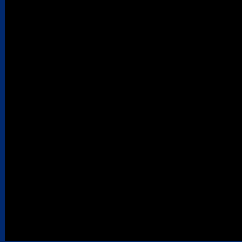
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 46.916, 292.316

Background



This preview shows how black text looks on a background with the CIELCh color 19, 46.916, 292.316.



This preview shows how white text looks on a background with the CIELCh color 19, 46.916, 292.316.

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, 46.902, 292.423

Protanopia

19, 35.230, 283.944

Deuteranopia

19, 24.877, 269.630



Tritanopia
19, 15.854, 204.108

Trichromacy



Original Color
19, 46.902, 292.423

Protanomaly
19, 39.078, 287.156

Deuteranomaly
19, 32.061, 280.611

Tritanomaly
18, 21.125, 260.861

Monochromacy



Original Color
19, 46.902, 292.423

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 18.009, 278.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 46.916, 292.316 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, 41, 110)` looks like.

```
.text, #text, p{  
    color:rgb(1, 41, 110)  
}
```

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, 41, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 41, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 46.916, 292.316 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, 41, 110) }
```

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

```
.border{ border-color:rgb(1, 41, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 41, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 41, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 41, 110);  
box-shadow:4px 4px 4px 4px rgb(1, 41, 110)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 46.916, 292.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 41, 110) }
```

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

```
.background{ background-color: rgb(1, 41,  
110) }
```

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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