

Converting Colors

CIELCh(18, 19.715, 292.487)

Have a look what the booklet for
CIELCh(18, 19.715, 292.487)
contains.

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Color

CIELCh(18, 19.323, 291.554)

Conversions

Conversions Part 1

Format	Color
Hex	272A46
RGB	39, 42, 70
RGB Percent	15%, 16%, 27%
CMY	0.8475, 0.8357, 0.7260
CMYK	0.44, 0.40, 0.00, 0.73
HSL	234°, 28%, 21%
HSV	234°, 44%, 27%
XYZ	2.7582, 2.5180, 6.1154
YIQ	44.2950, -10.7760, 8.0720

Conversions

Conversions Part 2

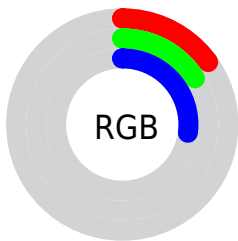
Format	Color
RYB	39, 42, 70
Decimal	2566726
CIELab	18.00, 7.10, -17.97
CIElCh	18, 19.323, 291.554
Yxy	2.5180, 0.2421, 0.2210
Android (android.graphics.Color)	4280756806 (0xFF272A46)
YUV	44.2950, 12.6726, -4.6437
Hunter-Lab	15.8683, 3.2573, -11.7417




Details

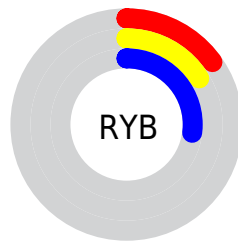
The CIELCh color **18, 19.323, 291.554** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **28, 17.827, 101.764**, and the grayscale version is **18, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 19.701, 292.165**, and **1, 14.128, 289.097** is the 20% darker color. If you saturate the color by 10%, you get **15, 24.101, 293.357**, and if you desaturate by 10%, it is **21, 14.709, 289.972**.

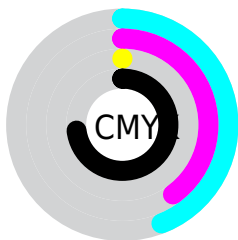
Distribution







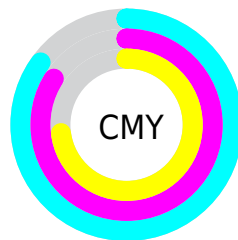
-  Red (15%)
-  Green (16%)
-  Blue (27%)






-  Red (15%)
-  Yellow (16%)
-  Blue (27%)



-  Cyan (44%)
-  Magenta (40%)
-  Yellow (0%)
-  Black (73%)



-  Cyan (85%)
-  Magenta (84%)
-  Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 19.323, 291.554 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 18, 19.323, 291.554 by changing the saturation by 10% instead.

■ 18, 19.323,
291.554

■ 18, 19.323,
291.554

■ 100, 19.323,
291.554

■ 8, 19.323, 291.554

■ 38, 19.323,
291.554

■ 0, 19.323, 291.554

■ 48, 19.323,
291.554


■ 58, 19.323,
291.554


■ 68, 19.323,
291.554


■ 78, 19.323,
291.554


■ 88, 19.323,


291.554


 98, 19.323,
291.554


 18, 19.323,
291.554


 18, 19.323,
291.554

 15, 24.101,
293.357

 21, 14.709,
289.972

 13, 29.038,
295.376

 23, 10.254,
288.595

 10, 34.090,
297.574

 26, 5.948, 287.403

 8, 39.137, 299.858

 29, 1.779, 286.386

 6, 43.425, 301.339

 31, 2.261, 105.435

 5, 45.353, 301.609

 34, 6.182, 104.663

■ 36, 9.990, 103.978

■ 39, 13.691,
103.374

■ 41, 17.291,
102.841

Harmonies

Complementary

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



18, 19.323, 291.554



28, 17.827, 101.764

Rectangle

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



18, 19.323, 291.554



18, 19.323, 341.554



18, 19.323, 111.554



18, 19.323, 161.554

Sweetspot

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



18, 19.323, 291.554



35, 6.747, 287.314



27, 12.484, 188.073



16, 4.661, 287.443



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



18, 19.323, 291.554



22, 29.516, 293.520



18, 21.955, 307.828



13, 2.330, 286.797



10, 61.674, 303.919



30, 117.861, 305.210

Inverse Universe

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



20, 15.616, 15.933



24, 23.905, 17.815



28, 20.464, 123.510



13, 1.813, 11.929



19, 47.489, 31.695



47, 91.602, 36.580

Previews

White Background



This preview shows how the CIELCh color 18, 19.323, 291.554 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 18, 19.323, 291.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

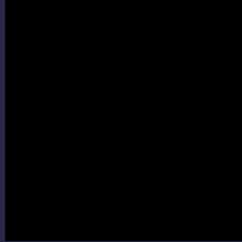
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 19.323, 291.554

Background



This preview shows how black text looks on a background with the CIELCh color 18, 19.323, 291.554.



This preview shows how white text looks on a background with the CIELCh color 18, 19.323, 291.554.

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

18, 19.323, 291.554

Protanopia

18, 19.476, 284.519

Deuteranopia

18, 17.682, 278.334



Tritanopia
18, 6.115, 225.456

Trichromacy



Original Color
18, 19.323, 291.554

Protanomaly
18, 19.393, 286.408

Deuteranomaly
18, 18.149, 283.236

Tritanomaly
18, 9.077, 265.584

Monochromacy



Original Color
18, 19.323, 291.554

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 6.926, 288.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 19.323, 291.554 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(39, 42, 70)` looks like.

```
.text, #text, p{  
    color:rgb(39, 42, 70)  
}
```

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(39, 42, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 42, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 19.323, 291.554 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(39, 42, 70) }
```

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

```
.border{ border-color:rgb(39, 42, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 42, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 42, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 42, 70);  
box-shadow:4px 4px 4px 4px rgb(39, 42, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 19.323, 291.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 42, 70) }
```

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

```
.background{ background-color: rgb(39, 42,  
70) }
```

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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