

Converting Colors

CIELCh(18, 18.459, 291.179)

Have a look what the booklet for
CIELCh(18, 18.459, 291.179)
contains.

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Color

CIELCh(18, 18.644, 291.257)

Conversions

Conversions Part 1

Format	Color
Hex	272A45
RGB	39, 42, 69
RGB Percent	15%, 16%, 27%
CMY	0.8470, 0.8352, 0.7294
CMYK	0.43, 0.39, 0.00, 0.73
HSL	234°, 28%, 21%
HSV	234°, 43%, 27%
XYZ	2.7400, 2.5180, 5.9737
YIQ	44.1810, -10.4550, 7.7610

Conversions

Conversions Part 2

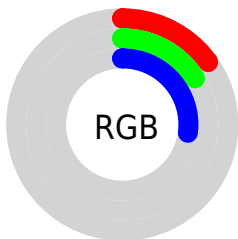
Format	Color
RYB	39, 42, 69
Decimal	2566725
CIELab	18.00, 6.76, -17.38
CIELCh	18, 18.644, 291.257
Yxy	2.5180, 0.2440, 0.2242
Android (android.graphics.Color)	4280756805 (0xFF272A45)
YUV	44.1810, 12.2358, -4.5437
Hunter-Lab	15.8683, 3.0521, -11.2123

Details

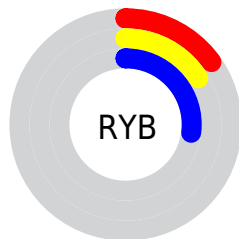
The CIELCh color **18, 18.644, 291.257** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **28, 17.253, 101.700**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 18.477, 291.905**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **15, 23.338, 293.038**, and if you desaturate by 10%, it is **21, 14.111, 289.696**.

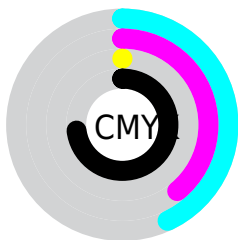
Distribution



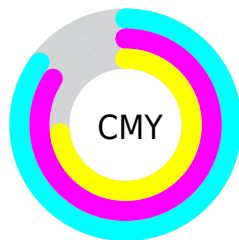
- Red (15%)
- Green (16%)
- Blue (27%)



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



- Cyan (43%)
- Magenta (39%)
- Yellow (0%)
- Black (73%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 18.644, 291.257 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, 18.644, 291.257 by changing the saturation by 10% instead.

 18, 18.644,
291.257


 18, 18.644,
291.257


 100, 18.644,
291.257

 8, 18.644, 291.257


 38, 18.644,
291.257

 0, 18.644, 291.257

 48, 18.644,
291.257

 58, 18.644,
291.257

 68, 18.644,
291.257

 78, 18.644,
291.257

 88, 18.644,

291.257

98, 18.644,
291.257

18, 18.644,
291.257

18, 18.644,
291.257

15, 23.338,
293.038

21, 14.111,
289.696

13, 28.191,
295.037

23, 9.732, 288.338

10, 33.165,
297.222

26, 5.498, 287.162

28, 1.398, 286.164

8, 38.157, 299.508

31, 2.578, 105.219

6, 42.467, 301.065

34, 6.436, 104.453

5, 44.654, 301.356

■ 36, 10.184,
103.775

■ 39, 13.828,
103.177

■ 41, 17.374,
102.648

Harmonies

Complementary

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



18, 18.644, 291.257



28, 17.253, 101.700

Rectangle

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



18, 18.644, 291.257



18, 18.644, 341.257



18, 18.644, 111.257



18, 18.644, 161.257

Sweetspot

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



18, 18.644, 291.257



34, 6.570, 287.167



27, 12.149, 188.144



16, 4.645, 287.302



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, 18.644, 291.257



21, 28.130, 293.152



18, 21.271, 307.769



13, 2.323, 286.654



10, 61.522, 303.848



30, 117.657, 305.161

Inverse Universe

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



20, 15.110, 15.557



24, 22.855, 17.350



28, 19.862, 123.552



13, 1.814, 11.690



19, 47.434, 31.569



47, 91.445, 36.437

Previews

White Background



This preview shows how the CIELCh color 18, 18.644, 291.257 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 18, 18.644, 291.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

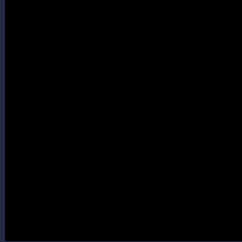
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 18.644, 291.257

Background



This preview shows how black text looks on a background with the CIELCh color 18, 18.644, 291.257.



This preview shows how white text looks on a background with the CIELCh color 18, 18.644, 291.257.

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, 18.644, 291.257

Protanopia

18, 18.766, 284.874

Deuteranopia

18, 17.614, 279.311



Tritanopia
18, 5.768, 227.286

Trichromacy



Original Color
18, 18.644, 291.257

Protanomaly
18, 18.686, 286.894

Deuteranomaly
18, 18.100, 284.260

Tritanomaly
18, 8.928, 267.834

Monochromacy



Original Color
18, 18.644, 291.257

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, 18.644, 291.257 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(39, 42, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 42, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 18.644, 291.257 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, 69) }
```

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

```
.border{ border-color:rgb(39, 42, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 42, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 42, 69);  
box-shadow:4px 4px 4px 4px rgb(39, 42, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 18.644, 291.257 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, 69) }
```

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

```
.background{ background-color: rgb(39, 42,  
69) }
```

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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