

Converting Colors

CIELCh(18, 24.238, 284.643)

Have a look what the booklet for
CIELCh(18, 24.238, 284.643)
contains.

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Color

CIELCh(18, 24.309, 284.820)

Conversions

Conversions Part 1

Format	Color
Hex	1C2B4E
RGB	28, 43, 78
RGB Percent	11%, 17%, 31%
CMY	0.8905, 0.8316, 0.6944
CMYK	0.64, 0.45, 0.00, 0.69
HSL	222°, 47%, 21%
HSV	222°, 64%, 31%
XYZ	2.7111, 2.5180, 7.5376
YIQ	42.5050, -20.1750, 7.7050

Conversions

Conversions Part 2

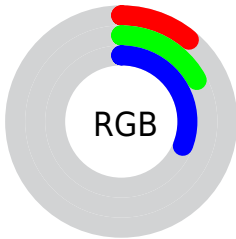
Format	Color
RYB	28, 40, 78
Decimal	1846094
CIELab	18.00, 6.22, -23.50
CIELCh	18, 24.309, 284.820
Yxy	2.5180, 0.2124, 0.1972
Android (android.graphics.Color)	4280036174 (0xFF1C2B4E)
YUV	42.5050, 17.4990, -12.7209
Hunter-Lab	15.8683, 2.7266, -17.0555

Details

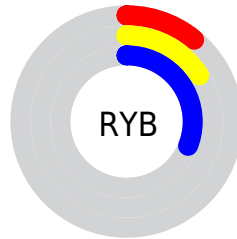
The CIELCh color **18, 24.309, 284.820** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **27, 23.632, 86.046**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 24.136, 284.967**, and **1, 19.314, 289.760** is the 20% darker color. If you saturate the color by 10%, you get **16, 28.426, 287.539**, and if you desaturate by 10%, it is **20, 20.299, 282.393**.

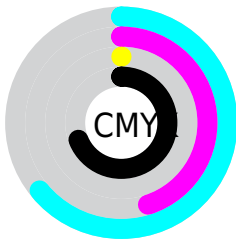
Distribution



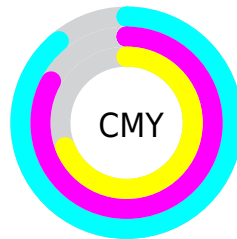
- Red (11%)
- Green (17%)
- Blue (31%)



- Red (11%)
- Yellow (16%)
- Blue (31%)



- Cyan (64%)
- Magenta (45%)
- Yellow (0%)
- Black (69%)



- Cyan (89%)
- Magenta (83%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 24.309, 284.820 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, 24.309, 284.820 by changing the saturation by 10% instead.

■ 18, 24.309,
284.820

■ 18, 24.309,
284.820

■ 100, 24.309,
284.820

■ 8, 24.309, 284.820

■ 38, 24.309,
284.820

■ 0, 24.309, 284.820

■ 48, 24.309,
284.820


■ 58, 24.309,
284.820


■ 68, 24.309,
284.820


■ 78, 24.309,
284.820


■ 88, 24.309,


284.820


 98, 24.309,
284.820


 18, 24.309,
284.820


 18, 24.309,
284.820


 16, 28.426,
287.539


 20, 20.299,
282.393

 14, 32.653,
290.507

 23, 16.385,
280.258

 12, 36.980,
293.454

 25, 12.554,
278.399

 10, 39.554,
294.925

 27, 8.799, 276.785

 30, 5.113, 275.390

 32, 1.493, 274.220

■ 35, 2.064, 93.023

■ 37, 5.559, 92.119

■ 39, 8.992, 91.300

Harmonies

Complementary

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



18, 24.309, 284.820



27, 23.632, 86.046

Rectangle

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



18, 24.309, 284.820



18, 24.309, 334.820



18, 24.309, 104.820



18, 24.309, 154.820

Sweetspot

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



18, 24.309, 284.821



38, 8.611, 276.138



29, 21.658, 168.236



17, 5.860, 276.363



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



18, 24.309, 284.821



21, 37.130, 289.208



14, 35.298, 303.334



14, 1.975, 274.707



15, 49.539, 296.334



38, 96.392, 298.820

Inverse Universe

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



18, 25.309, 4.485



23, 36.836, 8.678



31, 30.255, 113.501



14, 2.067, 356.607



20, 44.023, 17.600



48, 81.354, 21.972

Previews

White Background



This preview shows how the CIE LCh color 18, 24.309, 284.820 looks on a white background.

Color Contrast Check

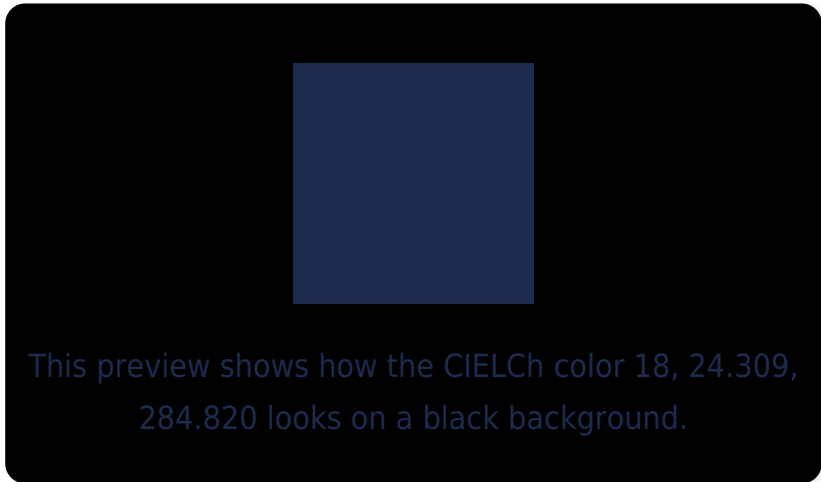
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

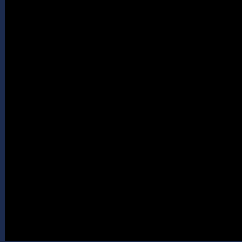
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 24.309, 284.820

Background



This preview shows how black text looks on a background with the CIELCh color 18, 24.309, 284.820.



This preview shows how white text looks on a background with the CIELCh color 18, 24.309, 284.820.

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, 24.309, 284.820

Protanopia

18, 24.309, 284.820

Deuteranopia

18, 23.004, 274.295



Tritanopia
18, 12.778, 209.701

Trichromacy



Original Color
18, 24.309, 284.820

Protanomaly
18, 24.309, 284.820

Deuteranomaly
18, 23.369, 278.215

Tritanomaly
18, 13.785, 247.402

Monochromacy



Original Color
18, 24.309, 284.820

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 9.209, 279.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 24.309, 284.820 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(28, 43, 78)` looks like.

```
.text, #text, p{  
    color:rgb(28, 43, 78)  
}
```

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(28, 43, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 43, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 24.309, 284.820 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(28, 43, 78) }
```

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

```
.border{ border-color:rgb(28, 43, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 43, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 43, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 43, 78);  
box-shadow:4px 4px 4px 4px rgb(28, 43, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 24.309, 284.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 43, 78) }
```

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

```
.background{ background-color: rgb(28, 43,  
78) }
```

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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