

Converting Colors

CIELCh(11, 57.849, 220.179)

Have a look what the booklet for
CIELCh(11, 57.849, 220.179)
contains.

CIELCh(18, 26.025, 273.385)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(18, 26.025, 273.385)

Conversions

Conversions Part 1

Format	Color
Hex	012D52
RGB	1, 45, 82
RGB Percent	0%, 18%, 32%
CMY	0.9971, 0.8218, 0.6804
CMYK	0.99, 0.44, 0.00, 0.68
HSL	207°, 98%, 16%
HSV	207°, 99%, 32%
XYZ	2.4694, 2.5180, 8.2411
YIQ	36.0620, -38.1010, 2.1790

Conversions

Conversions Part 2

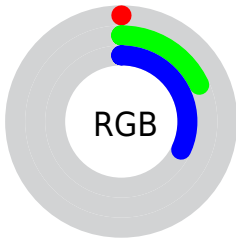
Format	Color
R_{YB}	1, 30, 82
Decimal	77138
CIE _{Lab}	18.00, 1.54, -25.98
CIE _{LCh}	18, 26.025, 273.385
Yxy	2.5180, 0.1867, 0.1903
Android (android.graphics.Color)	4278267218 (0xFF012D52)
YUV	36.0620, 22.6474, -30.7494
Hunter-Lab	15.8683, 0.0082, -19.6840

Details

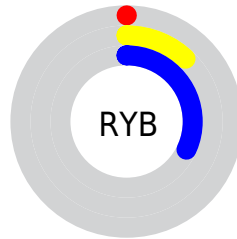
The CIELCh color **18, 26.025, 273.385** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **20, 34.741, 57.818**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 26.800, 275.183**, and **2, 21.685, 290.735** is the 20% darker color. If you saturate the color by 10%, you get **18, 26.254, 273.681**, and if you desaturate by 10%, it is **19, 23.596, 269.829**.

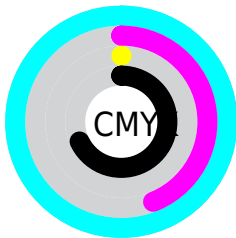
Distribution



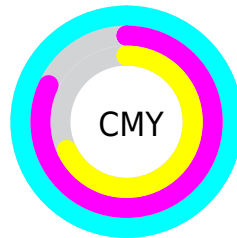
- Red (0%)
- Green (18%)
- Blue (32%)



- Red (0%)
- Yellow (12%)
- Blue (32%)



- Cyan (99%)
- Magenta (44%)
- Yellow (0%)
- Black (68%)



- Cyan (100%)
- Magenta (82%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 26.025, 273.385 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, 26.025, 273.385 by changing the saturation by 10% instead.

■ 18, 26.025,
273.385

■ 18, 26.025,
273.385

■ 100, 26.025,
273.385

■ 8, 26.025, 273.385

■ 38, 26.025,
273.385

■ 0, 26.025, 273.385

■ 48, 26.025,
273.385

■ 58, 26.025,
273.385

■ 68, 26.025,
273.385

■ 78, 26.025,
273.385

■ 88, 26.025,

273.385

■ 98, 26.025,
273.385

■ 18, 26.025,
273.385

■ 18, 26.025,
273.385

■ 18, 26.254,
273.681

■ 19, 23.596,
269.829

■ 21, 21.254,
265.999

■ 23, 18.864,
262.602

■ 24, 16.394,
259.661

■ 26, 13.827,
257.149

■ 28, 11.164,
255.023

■ 29, 8.409, 253.231

■ 31, 5.577, 251.725

■ 33, 2.680, 250.481

Harmonies

Complementary

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



18, 26.025, 273.385



20, 34.741, 57.818

Rectangle

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



18, 26.025, 273.385



18, 26.025, 323.385



18, 26.025, 93.385



18, 26.025, 143.385

Sweetspot

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



18, 26.025, 273.386



38, 10.843, 253.565



30, 39.437, 148.283



18, 7.291, 253.973



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



18, 26.025, 273.386



24, 32.721, 275.624



7, 53.560, 303.874



15, 1.650, 250.441



24, 32.091, 275.471



53, 61.124, 279.049

Inverse Universe

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



15, 37.810, 353.571



22, 45.688, 355.058



32, 40.223, 98.871



15, 2.556, 341.448



21, 44.938, 354.952



50, 79.778, 357.606

Previews

White Background



This preview shows how the CIE LCh color 18, 26.025, 273.385 looks on a white background.

Color Contrast Check

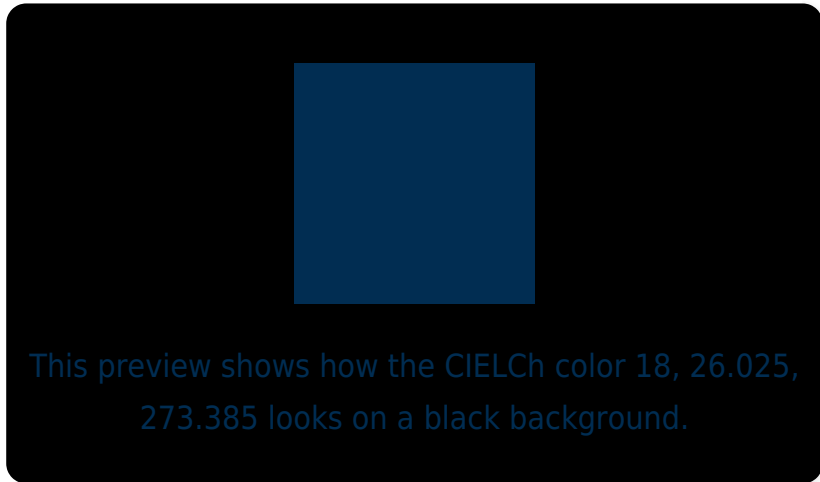
Large Text (above 18pt) WCAG AA ✓ Pass

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

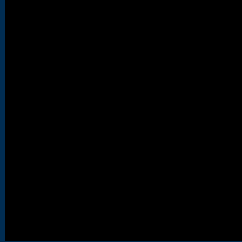
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 26.025, 273.385

Background



This preview shows how black text looks on a background with the CIELCh color 18, 26.025, 273.385.



This preview shows how white text looks on a background with the CIELCh color 18, 26.025, 273.385.

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, 26.579, 274.586

Protanopia

18, 24.931, 284.597

Deuteranopia

18, 25.436, 271.830



Tritanopia
18, 15.459, 204.355

Trichromacy



Original Color
18, 26.579, 274.586

Protanomaly
18, 25.334, 278.942

Deuteranomaly
18, 25.436, 271.830

Tritanomaly
18, 16.240, 237.638

Monochromacy



Original Color
18, 26.579, 274.586

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 11.323, 260.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 26.025, 273.385 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(1, 45, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 45, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 26.025, 273.385 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, 82) }
```

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

```
.border{ border-color:rgb(1, 45, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 45, 82); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 45, 82); box-shadow:4px  
4px 4px 4px rgb(1, 45, 82) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 26.025, 273.385 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, 82) }
```

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

```
.background{ background-color: rgb(1, 45,  
82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor