

Converting Colors

CIELCh(18, 25.962, 266.779)

Have a look what the booklet for
CIELCh(18, 25.962, 266.779)
contains.

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Color

CIELCh(18, 24.866, 270.216)

Conversions

Conversions Part 1

Format	Color
Hex	002E50
RGB	0, 46, 80
RGB Percent	0%, 18%, 31%
CMY	1.0000, 0.8197, 0.6869
CMYK	1.00, 0.42, 0.00, 0.69
HSL	205°, 100%, 16%
HSV	205°, 100%, 31%
XYZ	2.3979, 2.5180, 7.9199
YIQ	36.1220, -38.3300, 0.8220

Conversions

Conversions Part 2

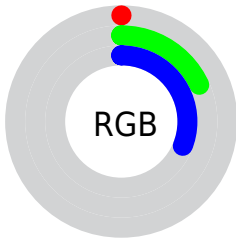
Format	Color
R_{YB}	0, 29, 80
Decimal	11856
CIE _{Lab}	18.00, 0.09, -24.87
CIE _{LCh}	18, 24.866, 270.216
Yxy	2.5180, 0.1868, 0.1962
Android (android.graphics.Color)	4278201936 (0xFF002E50)
YUV	36.1220, 21.6319, -31.6790
Hunter-Lab	15.8683, -0.7958, -18.4838

Details

The CIELCh color **18, 24.866, 270.216** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **19, 34.493, 55.683**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 25.256, 271.983**, and **1, 20.105, 290.076** is the 20% darker color. If you saturate the color by 10%, you get **18, 24.790, 270.700**, and if you desaturate by 10%, it is **19, 22.566, 267.214**.

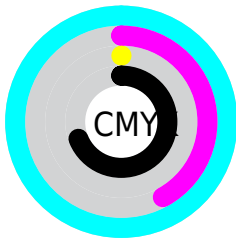
Distribution



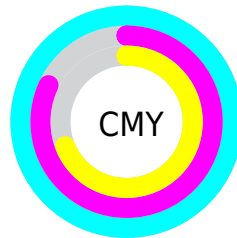
- Red (0%)
- Green (18%)
- Blue (31%)



- Red (0%)
- Yellow (11%)
- Blue (31%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (69%)





- Cyan (100%)
- Magenta (82%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 24.866, 270.216 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, 24.866, 270.216 by changing the saturation by 10% instead.

 18, 24.866,
270.216


 18, 24.866,
270.216


 100, 24.866,
270.216


 8, 24.866, 270.216


 38, 24.866,
270.216

 0, 24.866, 270.216

 48, 24.866,
270.216


 58, 24.866,
270.216


 68, 24.866,
270.216


 78, 24.866,
270.216


 88, 24.866,


270.216


 98, 24.866,
270.216


 18, 24.866,
270.216


 18, 24.866,
270.216


 18, 24.790,
270.700

 19, 22.566,
267.214

 21, 20.433,
263.374

 22, 18.237,
259.961

 24, 15.941,
257.019

 25, 13.531,
254.518

■ 27, 11.007,
252.410

■ 29, 8.378, 250.642

■ 30, 5.657, 249.162

■ 32, 2.860, 247.944

Harmonies

Complementary

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



18, 24.866, 270.216



19, 34.493, 55.683

Rectangle

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



18, 24.866, 270.216



18, 24.866, 320.216



18, 24.866, 90.216



18, 24.866, 140.216

Sweetspot

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



18, 24.790, 270.700



38, 10.453, 250.821



29, 39.685, 147.508



18, 7.165, 251.232



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, 24.790, 270.700



25, 30.749, 272.694



7, 52.233, 303.421



15, 1.630, 247.812



55, 58.377, 276.353

Inverse Universe

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



15, 37.844, 351.897



21, 45.326, 353.114



31, 39.519, 97.740



15, 2.596, 340.349



51, 80.378, 355.574

Previews

White Background



This preview shows how the CIE LCh color 18, 24.866, 270.216 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, 24.866, 270.216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

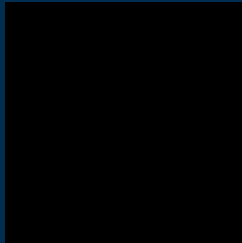
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 24.866, 270.216

Background



This preview shows how black text looks on a background with the CIELCh color 18, 24.866, 270.216.



This preview shows how white text looks on a background with the CIELCh color 18, 24.866, 270.216.

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, 24.859, 270.807

Protanopia

18, 23.542, 284.727

Deuteranopia

18, 24.354, 274.382



Tritanopia
18, 15.459, 204.355

Trichromacy



Original Color
18, 24.859, 270.807

Protanomaly
18, 24.038, 277.810

Deuteranomaly
18, 24.514, 273.176

Tritanomaly
18, 16.121, 234.596

Monochromacy



Original Color
18, 24.859, 270.807

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 10.410, 253.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 24.866, 270.216 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(0, 46, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 46, 80)  
}
```

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(0, 46, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 46, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 24.866, 270.216 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(0, 46, 80) }
```

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

```
.border{ border-color:rgb(0, 46, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 46, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 46, 80); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 46, 80); box-shadow:4px  
4px 4px 4px rgb(0, 46, 80) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 24.866, 270.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 46, 80) }
```

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

```
.background{ background-color: rgb(0, 46,  
80) }
```

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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