

Converting Colors

CIELCh(18, 27.514, 279.310)

Have a look what the booklet for
CIELCh(18, 27.514, 279.310)
contains.

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Color

CIELCh(18, 27.488, 279.447)

Conversions

Conversions Part 1

Format	Color
Hex	0B2C53
RGB	11, 44, 83
RGB Percent	4%, 17%, 33%
CMY	0.9554, 0.8267, 0.6736
CMYK	0.86, 0.47, 0.00, 0.67
HSL	213°, 76%, 19%
HSV	213°, 86%, 33%
XYZ	2.6212, 2.5180, 8.5774
YIQ	38.5790, -32.1870, 5.1330

Conversions

Conversions Part 2

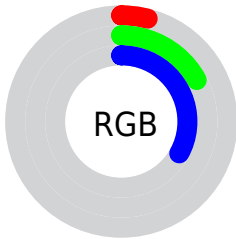
Format	Color
RYB	11, 34, 83
Decimal	732243
CIELab	18.00, 4.51, -27.12
CIELCh	18, 27.488, 279.447
Yxy	2.5180, 0.1911, 0.1836
Android (android.graphics.Color)	4278922323 (0xFF0B2C53)
YUV	38.5790, 21.8996, -24.1868
Hunter-Lab	15.8683, 1.7163, -20.9407

Details

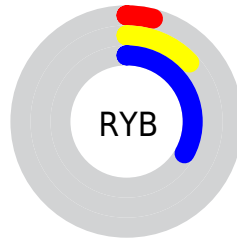
The CIELCh color **18, 27.488, 279.447** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **24, 31.331, 68.960**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 27.595, 279.735**, and **2, 22.473, 291.076** is the 20% darker color. If you saturate the color by 10%, you get **16, 30.764, 282.951**, and if you desaturate by 10%, it is **20, 24.308, 275.902**.

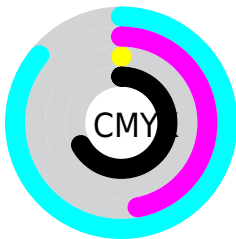
Distribution



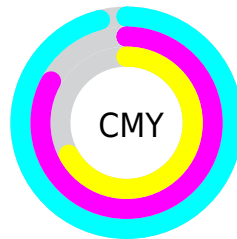
- Red (4%)
- Green (17%)
- Blue (33%)



- Red (4%)
- Yellow (13%)
- Blue (33%)



- Cyan (86%)
- Magenta (47%)
- Yellow (0%)
- Black (67%)



- Cyan (96%)
- Magenta (83%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 27.488, 279.447 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, 27.488, 279.447 by changing the saturation by 10% instead.

■ 18, 27.488,
279.447

■ 18, 27.488,
279.447

■ 100, 27.488,
279.447

■ 8, 27.488, 279.447

■ 38, 27.488,
279.447

■ 0, 27.488, 279.447

■ 48, 27.488,
279.447

■ 58, 27.488,
279.447


■ 68, 27.488,
279.447

■ 78, 27.488,
279.447


■ 88, 27.488,


279.447


 98, 27.488,
279.447


 18, 27.488,
279.447


 18, 27.488,
279.447


 16, 30.764,
282.951


 20, 24.308,
275.902

 16, 32.009,
284.084

 22, 21.160,
272.712

 24, 18.016,
269.907

 26, 14.860,
267.473

 28, 11.684,
265.380

■ 30, 8.486, 263.586

■ 32, 5.272, 262.054

■ 34, 2.047, 260.777

■ 36, 1.181, 79.391

Harmonies

Complementary

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



18, 27.488, 279.447



24, 31.331, 68.960

Rectangle

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



18, 27.488, 279.447



18, 27.488, 329.447



18, 27.488, 99.447



18, 27.488, 149.447

Sweetspot

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



18, 27.488, 279.448



39, 10.320, 263.675



31, 32.981, 155.274



18, 6.911, 263.987



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, 27.488, 279.448



21, 39.436, 285.672



9, 50.942, 303.982



15, 1.777, 261.051



20, 38.659, 285.537



47, 74.333, 288.687

Inverse Universe

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



17, 34.563, 358.269



21, 44.661, 3.599



34, 39.308, 105.225



15, 2.395, 346.670



21, 43.914, 3.459



50, 78.611, 6.917

Previews

White Background



This preview shows how the CIELCh color 18, 27.488, 279.447 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, 27.488, 279.447 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, 27.488, 279.447

Background



This preview shows how black text looks on a background with the CIELCh color 18, 27.488, 279.447.



This preview shows how white text looks on a background with the CIELCh color 18, 27.488, 279.447.

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, 27.488, 279.447

Protanopia

18, 27.072, 284.863

Deuteranopia

18, 25.437, 272.416



Tritanopia
18, 15.179, 207.268

Trichromacy



Original Color
18, 27.488, 279.447

Protanomaly
18, 27.251, 282.714

Deuteranomaly
18, 25.866, 274.518

Tritanomaly
18, 16.267, 244.709

Monochromacy



Original Color
18, 27.488, 279.447

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 10.678, 266.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 27.488, 279.447 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(11, 44, 83)` looks like.

```
.text, #text, p{  
    color:rgb(11, 44, 83)  
}
```

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(11, 44, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 44, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 27.488, 279.447 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(11, 44, 83) }
```

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

```
.border{ border-color:rgb(11, 44, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 44, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 44, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 44, 83);  
box-shadow:4px 4px 4px 4px rgb(11, 44, 83)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 27.488, 279.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 44, 83) }
```

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

```
.background{ background-color: rgb(11, 44,  
83) }
```

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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