

Converting Colors

CIELCh(18, 18.864, 262.181)

Have a look what the booklet for
CIELCh(18, 18.864, 262.181)
contains.

CIELCh(18, 19.243, 263.448)	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, 19.243, 263.448)

Conversions

Conversions Part 1

Format	Color
Hex	0C2E47
RGB	12, 46, 71
RGB Percent	5%, 18%, 28%
CMY	0.9546, 0.8182, 0.7200
CMYK	0.84, 0.35, 0.00, 0.72
HSL	205°, 72%, 16%
HSV	205°, 84%, 28%
XYZ	2.2874, 2.5180, 6.3940
YIQ	38.6840, -28.2890, 0.5670

Conversions

Conversions Part 2

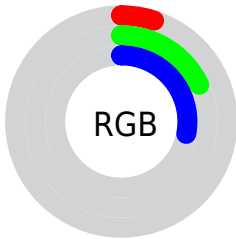
Format	Color
R_YB	12, 34, 71
Decimal	798279
CIE Lab	18.00, -2.20, -19.12
CIE LCh	18, 19.243, 263.448
Yxy	2.5180, 0.2042, 0.2248
Android (android.graphics.Color)	4278988359 (0xFF0C2E47)
YUV	38.6840, 15.9318, -23.4019
Hunter-Lab	15.8683, -2.0396, -12.7824

Details

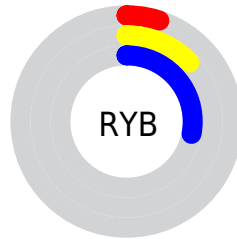
The CIELCh color **18, 19.243, 263.448** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **19, 26.675, 57.899**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 19.190, 263.445**, and **1, 14.936, 289.238** is the 20% darker color. If you saturate the color by 10%, you get **17, 21.182, 267.020**, and if you desaturate by 10%, it is **19, 17.296, 259.986**.

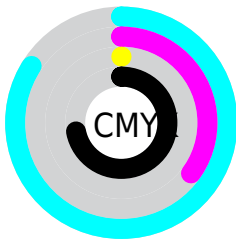
Distribution



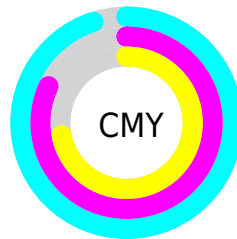
- Red (5%)
- Green (18%)
- Blue (28%)



- Red (5%)
- Yellow (13%)
- Blue (28%)



- Cyan (84%)
- Magenta (35%)
- Yellow (0%)
- Black (72%)



- Cyan (95%)
- Magenta (82%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 19.243, 263.448 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, 19.243, 263.448 by changing the saturation by 10% instead.

■ 18, 19.243,
263.448

■ 18, 19.243,
263.448

■ 100, 19.243,
263.448

■ 8, 19.243, 263.448

■ 38, 19.243,
263.448

■ 0, 19.243, 263.448

■ 48, 19.243,
263.448

■ 58, 19.243,
263.448


■ 68, 19.243,
263.448

■ 78, 19.243,
263.448


■ 88, 19.243,

263.448


 98, 19.243,
263.448


 18, 19.243,
263.448


 18, 19.243,
263.448


 17, 21.182,
267.020

 19, 17.296,
259.986

 16, 22.447,
268.940

 21, 15.260,
256.985

 22, 13.119,
254.423

 24, 10.870,
252.256

 25, 8.521, 250.433

■ 27, 6.081, 248.905

■ 28, 3.566, 247.632

■ 30, 0.990, 246.687

■ 31, 1.634, 65.420

Harmonies

Complementary

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



18, 19.243, 263.448



19, 26.675, 57.899

Rectangle

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



18, 19.243, 263.448



18, 19.243, 313.448



18, 19.243, 83.448



18, 19.243, 133.448

Sweetspot

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



18, 19.243, 263.449



34, 7.853, 249.213



26, 31.905, 150.371



16, 5.269, 249.441



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, 19.243, 263.449



21, 27.406, 271.020



8, 40.175, 300.277



13, 1.450, 247.075



23, 29.215, 271.590



54, 56.651, 275.535

Inverse Universe

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



14, 31.821, 348.130



18, 41.607, 352.087



28, 32.192, 99.037



13, 2.325, 340.040



20, 43.915, 352.430



49, 79.234, 354.997

Previews

White Background



This preview shows how the CIE LCh color 18, 19.243, 263.448 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, 19.243, 263.448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

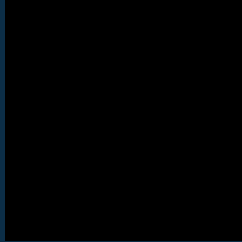
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 19.243, 263.448

Background



This preview shows how black text looks on a background with the CIELCh color 18, 19.243, 263.448.



This preview shows how white text looks on a background with the CIELCh color 18, 19.243, 263.448.

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, 19.175, 263.879

Protanopia

18, 18.055, 285.307

Deuteranopia

18, 19.742, 279.192



Tritanopia
18, 15.179, 207.268

Trichromacy



Original Color
18, 19.175, 263.879

Protanomaly
18, 18.603, 275.742

Deuteranomaly
18, 19.542, 272.875

Tritanomaly
18, 14.939, 231.504

Monochromacy



Original Color
18, 19.175, 263.879

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 8.066, 250.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 19.243, 263.448 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(12, 46, 71)` looks like.

```
.text, #text, p{  
    color:rgb(12, 46, 71)  
}
```

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(12, 46, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 46, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 19.243, 263.448 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(12, 46, 71) }
```

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

```
.border{ border-color:rgb(12, 46, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 46, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 46, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 46, 71);  
box-shadow:4px 4px 4px 4px rgb(12, 46, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 19.243, 263.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 46, 71) }
```

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

```
.background{ background-color: rgb(12, 46,  
71) }
```

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