

Converting Colors

CIELCh(18, 15.983, 247.111)

Have a look what the booklet for
CIELCh(18, 15.983, 247.111)
contains.

CIELCh(18, 15.857, 246.155)	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, 15.857, 246.155)

Conversions

Conversions Part 1

Format	Color
Hex	083041
RGB	8, 48, 65
RGB Percent	3%, 19%, 25%
CMY	0.9667, 0.8131, 0.7465
CMYK	0.87, 0.26, 0.00, 0.75
HSL	198°, 77%, 14%
HSV	198°, 87%, 25%
XYZ	2.0928, 2.5180, 5.3217
YIQ	37.9780, -29.2970, -3.1930

Conversions

Conversions Part 2

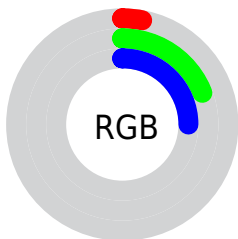
Format	Color
R_{YB}	8, 32, 65
Decimal	536641
CIE _{Lab}	18.00, -6.41, -14.50
CIE _{LCh}	18, 15.857, 246.155
Yxy	2.5180, 0.2107, 0.2535
Android (android.graphics.Color)	4278726721 (0xFF083041)
YUV	37.9780, 13.3218, -26.2907
Hunter-Lab	15.8683, -4.2281, -8.7761

Details

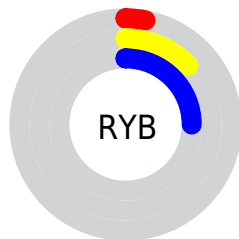
The CIELCh color **18, 15.857, 246.155** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 25.719, 46.368**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 16.085, 245.378**, and **1, 10.980, 288.731** is the 20% darker color. If you saturate the color by 10%, you get **17, 17.070, 248.999**, and if you desaturate by 10%, it is **19, 14.656, 243.100**.

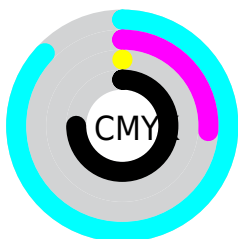
Distribution



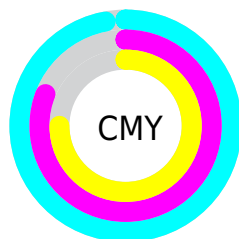
- Red (3%)
- Green (19%)
- Blue (25%)



- Red (3%)
- Yellow (13%)
- Blue (25%)



- Cyan (87%)
- Magenta (26%)
- Yellow (0%)
- Black (75%)



- Cyan (97%)
- Magenta (81%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 15.857, 246.155 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, 15.857, 246.155 by changing the saturation by 10% instead.

■ 18, 15.857,
246.155

■ 18, 15.857,
246.155

■ 100, 15.857,
246.155

■ 8, 15.857, 246.155

■ 38, 15.857,
246.155

■ 0, 15.857, 246.155

■ 48, 15.857,
246.155


■ 58, 15.857,
246.155


■ 68, 15.857,
246.155


■ 78, 15.857,
246.155


■ 88, 15.857,


246.155


 98, 15.857,
246.155


 18, 15.857,
246.155


 18, 15.857,
246.155

 17, 17.070,
248.999

 19, 14.656,
243.100

 17, 17.469,
249.793

 20, 13.282,
240.516

 21, 11.723,
238.379

 22, 9.985, 236.628

 23, 8.084, 235.201

 24, 6.040, 234.046

■ 25, 3.874, 233.123

■ 27, 1.606, 232.439

■ 28, 0.743, 51.372

Harmonies

Complementary

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



18, 15.857, 246.155



15, 25.719, 46.368

Rectangle

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



18, 15.857, 246.155



18, 15.857, 296.155



18, 15.857, 66.155



18, 15.857, 116.155

Sweetspot

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



18, 15.857, 246.155



32, 7.277, 234.073



23, 33.422, 145.500



15, 4.960, 234.219



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



18, 15.857, 246.155



23, 21.184, 252.082



8, 33.286, 295.926



12, 1.326, 232.530



27, 23.536, 253.123



61, 44.908, 257.277

Inverse Universe

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



13, 32.182, 341.222



17, 41.780, 343.359



23, 28.039, 91.143



12, 2.369, 334.852



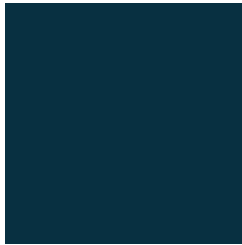
20, 45.905, 343.740



50, 83.478, 345.349

Previews

White Background



This preview shows how the CIELCh color 18, 15.857, 246.155 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 CIE LCh color 18, 15.857, 246.155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

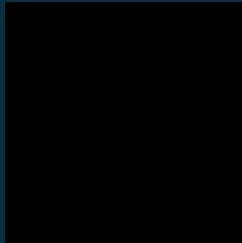
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 15.857, 246.155

Background



This preview shows how black text looks on a background with the CIELCh color 18, 15.857, 246.155.



This preview shows how white text looks on a background with the CIELCh color 18, 15.857, 246.155.

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, 15.962, 245.721

Protanopia

18, 11.826, 283.274

Deuteranopia

18, 14.734, 280.397



Tritanopia
18, 15.179, 207.268

Trichromacy



Original Color
18, 15.962, 245.721

Protanomaly
18, 13.015, 264.275

Deuteranomaly
18, 15.109, 266.077

Tritanomaly
18, 14.670, 219.395

Monochromacy



Original Color
18, 15.962, 245.721

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 7.366, 233.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 15.857, 246.155 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(8, 48, 65)` looks like.

```
.text, #text, p{  
    color:rgb(8, 48, 65)  
}
```

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(8, 48, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 48, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 15.857, 246.155 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(8, 48, 65) }
```

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

```
.border{ border-color:rgb(8, 48, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 48, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 48, 65); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 48, 65); box-shadow:4px  
4px 4px 4px rgb(8, 48, 65) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 15.857, 246.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 48, 65) }
```

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

```
.background{ background-color: rgb(8, 48,  
65) }
```

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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