

Converting Colors

CIELCh(15, 10.104, 233.586)

Have a look what the booklet for
CIELCh(15, 10.104, 233.586)
contains.

CIELCh(15, 10.113, 232.148)	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(15, 10.113, 232.148)

Conversions

Conversions Part 1

Format	Color
Hex	122931
RGB	18, 41, 49
RGB Percent	7%, 16%, 19%
CMY	0.9307, 0.8404, 0.8091
CMYK	0.64, 0.16, 0.00, 0.81
HSL	195°, 47%, 13%
HSV	195°, 64%, 19%
XYZ	1.5729, 1.9086, 3.1556
YIQ	35.0350, -16.2760, -2.3880

Conversions

Conversions Part 2

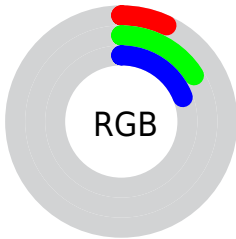
Format	Color
R_{YB}	18, 31, 49
Decimal	1190193
CIE _{Lab}	15.00, -6.21, -7.99
CIE _{LCh}	15, 10.113, 232.148
Yxy	1.9086, 0.2370, 0.2876
Android (android.graphics.Color)	4279380273 (0xFF122931)
YUV	35.0350, 6.8847, -14.9397
Hunter-Lab	13.8151, -3.8542, -3.8723

Details

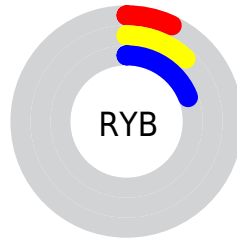
The CIELCh color **15, 10.113, 232.148** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 14.562, 44.266**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 10.187, 232.105**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 11.217, 233.979**, and if you desaturate by 10%, it is **16, 8.851, 230.648**.

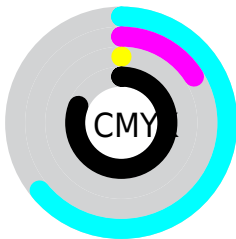
Distribution



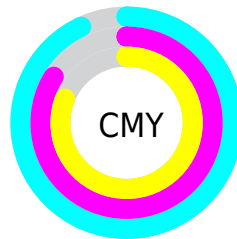
- Red (7%)
- Green (16%)
- Blue (19%)



- Red (7%)
- Yellow (12%)
- Blue (19%)



- Cyan (64%)
- Magenta (16%)
- Yellow (0%)
- Black (81%)



- Cyan (93%)
- Magenta (84%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 10.113, 232.148 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 15, 10.113, 232.148 by changing the saturation by 10% instead.

■ 15, 10.113,
232.148

■ 15, 10.113,
232.148

■ 100, 10.113,
232.148

■ 5, 10.113, 232.148

■ 35, 10.113,
232.148

■ 0, 10.113, 232.148

■ 45, 10.113,
232.148


■ 55, 10.113,
232.148


■ 65, 10.113,
232.148


■ 75, 10.113,
232.148


■ 85, 10.113,

232.148


 95, 10.113,
232.148

 15, 10.113,
232.148


 15, 10.113,
232.148

 14, 11.217,
233.979


 16, 8.851, 230.648

 14, 12.178,
236.117


 17, 7.445, 229.433

 13, 13.170,
237.940

 17, 5.909, 228.456

 13, 13.827,
238.873

 18, 4.260, 227.679

 19, 2.517, 227.081

 20, 0.695, 226.786

 21, 1.191, 45.946

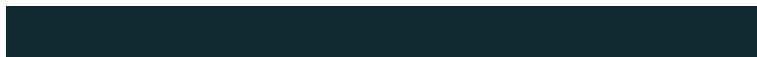
■ 22, 3.128, 45.742

■ 23, 5.105, 45.531

Harmonies

Complementary

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



15, 10.113, 232.148



12, 14.562, 44.266

Rectangle

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



15, 10.113, 232.148



15, 10.113, 282.148



15, 10.113, 52.148



15, 10.113, 102.148

Sweetspot

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



15, 10.113, 232.147



25, 4.317, 227.440



17, 21.278, 147.380



11, 2.998, 227.488



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



15, 10.113, 232.147



19, 14.078, 235.381



9, 17.319, 286.597



9, 1.066, 226.846



26, 21.039, 244.072



62, 40.962, 248.378

Inverse Universe

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



11, 21.165, 336.509



14, 30.177, 337.770



17, 16.405, 90.609



8, 1.949, 333.034



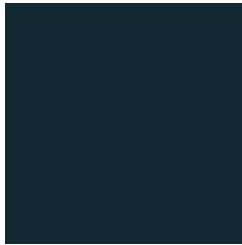
18, 44.703, 340.666



49, 83.825, 342.065

Previews

White Background



This preview shows how the CIE LCh color 15, 10.113, 232.148 looks on a white background.

Color Contrast Check

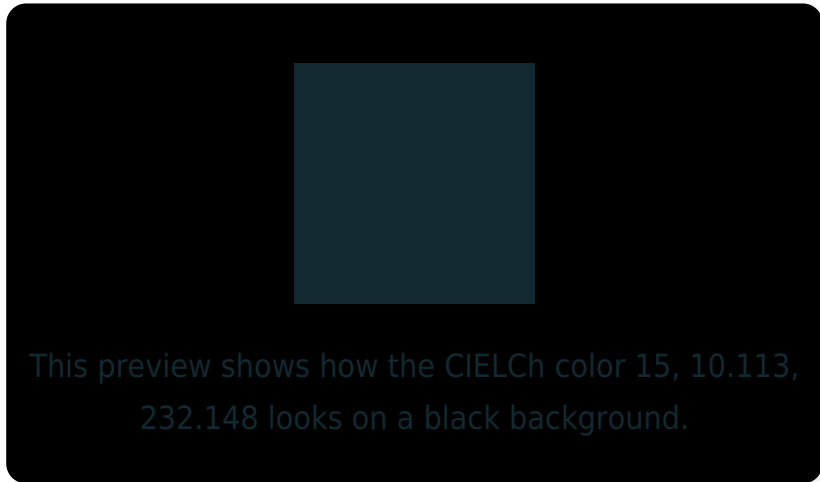
Large Text (above 18pt) WCAG AA ✓ Pass

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

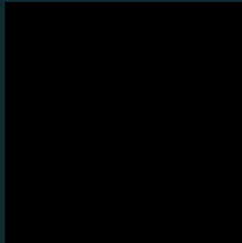
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

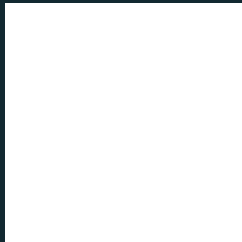
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 10.113, 232.148

Background



This preview shows how black text looks on a background with the CIELCh color 15, 10.113, 232.148.



This preview shows how white text looks on a background with the CIELCh color 15, 10.113, 232.148.

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


15, 10.113, 232.148

Protanopia

15, 6.376, 287.914

Deuteranopia

15, 8.511, 286.678



Tritanopia
15, 9.931, 214.182

Trichromacy



Original Color
15, 10.113, 232.148

Protanomaly
15, 7.295, 260.424

Deuteranomaly
15, 8.493, 266.216

Tritanomaly
15, 9.757, 219.036

Monochromacy



Original Color
15, 10.113, 232.148

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 4.149, 229.860

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 10.113, 232.148 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(18, 41, 49)` looks like.

```
.text, #text, p{  
  color:rgb(18, 41, 49)  
}
```

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(18, 41, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 41, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 10.113, 232.148 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(18, 41, 49) }
```

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

```
.border{ border-color:rgb(18, 41, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 41, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 41, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 41, 49);  
box-shadow:4px 4px 4px 4px rgb(18, 41, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 10.113, 232.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 41, 49) }
```

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

```
.background{ background-color: rgb(18, 41,  
49) }
```

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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