

Converting Colors

CIELCh(18, 10.740, 248.061)

Have a look what the booklet for
CIELCh(18, 10.740, 248.061)
contains.

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Color

CIELCh(18, 10.712, 249.694)

Conversions

Conversions Part 1

Format	Color
Hex	1B2E3A
RGB	27, 46, 58
RGB Percent	11%, 18%, 23%
CMY	0.8931, 0.8186, 0.7715
CMYK	0.53, 0.21, 0.00, 0.77
HSL	203°, 36%, 17%
HSV	203°, 53%, 23%
XYZ	2.2158, 2.5180, 4.4067
YIQ	41.6870, -15.1760, -0.2960

Conversions

Conversions Part 2

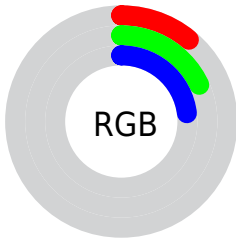
Format	Color
R_{YB}	27, 39, 58
Decimal	1781306
CIE Lab	18.00, -3.72, -10.05
CIE LCh	18, 10.712, 249.694
Yxy	2.5180, 0.2424, 0.2755
Android (android.graphics.Color)	4279971386 (0xFF1B2E3A)
YUV	41.6870, 8.0423, -12.8805
Hunter-Lab	15.8683, -2.8447, -5.3572

Details

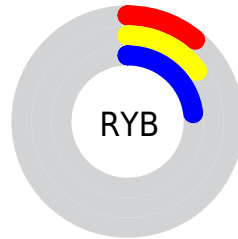
The CIELCh color **18, 10.712, 249.694** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 13.491, 58.111**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 10.518, 248.614**, and **1, 5.946, 287.505** is the 20% darker color. If you saturate the color by 10%, you get **17, 12.439, 251.982**, and if you desaturate by 10%, it is **19, 8.879, 247.764**.

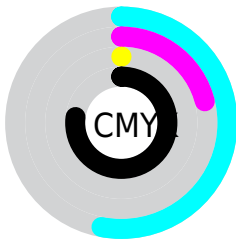
Distribution



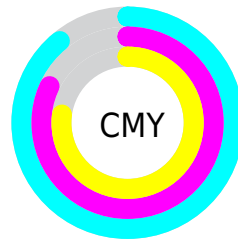
- Red (11%)
- Green (18%)
- Blue (23%)



- Red (11%)
- Yellow (15%)
- Blue (23%)



- Cyan (53%)
- Magenta (21%)
- Yellow (0%)
- Black (77%)



- Cyan (89%)
- Magenta (82%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 10.712, 249.694 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, 10.712, 249.694 by changing the saturation by 10% instead.

■ 18, 10.712,
249.694

■ 18, 10.712,
249.694

■ 100, 10.712,
249.694

■ 8, 10.712, 249.694

■ 38, 10.712,
249.694

■ 0, 10.712, 249.694

■ 48, 10.712,
249.694


■ 58, 10.712,
249.694


■ 68, 10.712,
249.694


■ 78, 10.712,
249.694


■ 88, 10.712,

249.694


 98, 10.712,
249.694

 18, 10.712,
249.694

 18, 10.712,
249.694


 17, 12.439,
251.982

 19, 8.879, 247.764


 16, 14.057,
254.679

 20, 6.949, 246.146

 22, 4.934, 244.793


 15, 15.575,
257.821

 23, 2.848, 243.673

 14, 17.102,
260.815

 24, 0.702, 242.908

 25, 1.490, 61.690

 13, 18.191,
262.509

 27, 3.717, 61.068

■ 28, 5.971, 60.490

■ 29, 8.243, 59.985

Harmonies

Complementary

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



18, 10.712, 249.694



18, 13.491, 58.111

Rectangle

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



18, 10.712, 249.694



18, 10.712, 299.694



18, 10.712, 69.694



18, 10.712, 119.694

Sweetspot

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



18, 10.712, 249.693



30, 4.308, 244.046



22, 18.799, 153.467



14, 2.853, 244.097



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



18, 10.712, 249.693



23, 15.661, 252.980



13, 19.697, 291.945



10, 1.164, 243.213



22, 25.888, 266.684



54, 51.710, 271.188

Inverse Universe

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



15, 19.187, 342.064



19, 28.224, 343.502



23, 17.953, 100.012



9, 1.930, 338.522



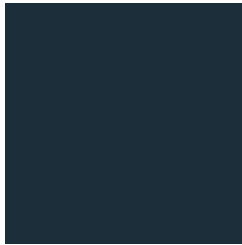
18, 42.212, 349.669



48, 78.276, 352.187

Previews

White Background



This preview shows how the CIELCh color 18, 10.712, 249.694 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, 10.712, 249.694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

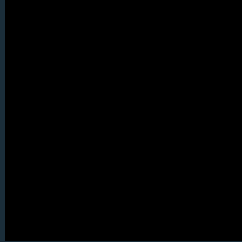
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

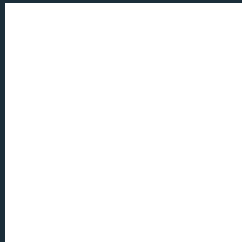
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 10.712, 249.694

Background



This preview shows how black text looks on a background with the CIELCh color 18, 10.712, 249.694.



This preview shows how white text looks on a background with the CIELCh color 18, 10.712, 249.694.

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

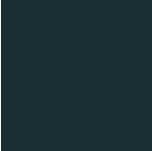
18, 10.712, 249.694

Protanopia

18, 9.013, 287.029

Deuteranopia

18, 11.097, 286.553



Tritanopia
18, 9.106, 215.616

Trichromacy



Original Color
18, 10.712, 249.694

Protanomaly
18, 9.447, 272.169

Deuteranomaly
18, 10.834, 273.409

Tritanomaly
18, 9.350, 229.425

Monochromacy



Original Color
18, 10.712, 249.694

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 4.107, 241.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 10.712, 249.694 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(27, 46, 58)` looks like.

```
.text, #text, p{  
    color:rgb(27, 46, 58)  
}
```

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(27, 46, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 46, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 10.712, 249.694 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(27, 46, 58) }
```

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

```
.border{ border-color:rgb(27, 46, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 46, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 46, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 46, 58);  
box-shadow:4px 4px 4px 4px rgb(27, 46, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 10.712, 249.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 46, 58) }
```

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

```
.background{ background-color: rgb(27, 46,  
58) }
```

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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