

Converting Colors

CIELCh(18, 17.168, 273.942)

Have a look what the booklet for
CIELCh(18, 17.168, 273.942)
contains.

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Color

CIELCh(18, 17.311, 273.396)

Conversions

Conversions Part 1

Format	Color
Hex	1B2D45
RGB	27, 45, 69
RGB Percent	11%, 18%, 27%
CMY	0.8950, 0.8243, 0.7303
CMYK	0.61, 0.35, 0.00, 0.73
HSL	214°, 44%, 19%
HSV	214°, 61%, 27%
XYZ	2.4439, 2.5180, 5.9514
YIQ	42.3540, -18.4320, 3.6480

Conversions

Conversions Part 2

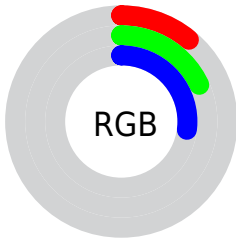
Format	Color
R_{YB}	27, 40, 69
Decimal	1781061
CIE Lab	18.00, 1.03, -17.28
CIE LCh	18, 17.311, 273.396
Yxy	2.5180, 0.2239, 0.2307
Android (android.graphics.Color)	4279971141 (0xFF1B2D45)
YUV	42.3540, 13.1365, -13.4655
Hunter-Lab	15.8683, -0.2784, -11.1287

Details

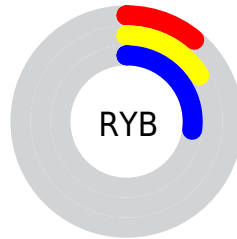
The CIELCh color **18, 17.311, 273.396** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 18.843, 75.435**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 17.331, 273.644**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **16, 20.160, 276.183**, and if you desaturate by 10%, it is **20, 14.474, 270.952**.

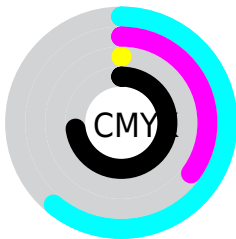
Distribution



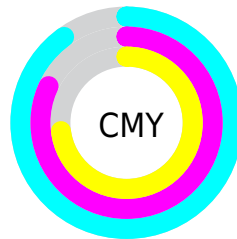
- Red (11%)
- Green (18%)
- Blue (27%)



- Red (11%)
- Yellow (16%)
- Blue (27%)



- Cyan (61%)
- Magenta (35%)
- Yellow (0%)
- Black (73%)



- Cyan (90%)
- Magenta (82%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 17.311, 273.396 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, 17.311, 273.396 by changing the saturation by 10% instead.

■ 18, 17.311,
273.396

■ 18, 17.311,
273.396

■ 100, 17.311,
273.396

■ 8, 17.311, 273.396

■ 38, 17.311,
273.396

■ 0, 17.311, 273.396

■ 48, 17.311,
273.396


■ 58, 17.311,
273.396


■ 68, 17.311,
273.396

■ 78, 17.311,
273.396


■ 88, 17.311,


273.396


 98, 17.311,
273.396


 18, 17.311,
273.396


 18, 17.311,
273.396

 16, 20.160,
276.183


 20, 14.474,
270.952

 15, 23.038,
279.309

 22, 11.640,
268.828

 13, 25.979,
282.585

 23, 8.805, 266.991

 11, 28.718,
285.062

 25, 5.968, 265.408

 27, 3.134, 264.052

 29, 0.306, 263.286

■ 31, 2.512, 81.706

■ 33, 5.315, 80.820

■ 35, 8.099, 80.021

Harmonies

Complementary

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



18, 17.311, 273.396



23, 18.843, 75.435

Rectangle

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



18, 17.311, 273.396



18, 17.311, 323.396



18, 17.311, 93.396



18, 17.311, 143.396

Sweetspot

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



18, 17.311, 273.396



34, 6.330, 265.071



26, 20.871, 161.408



16, 4.437, 265.294



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, 17.311, 273.396



22, 25.727, 277.668



12, 30.153, 299.885



12, 1.527, 263.738



18, 38.217, 287.460



44, 76.258, 290.827

Inverse Universe

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



17, 22.650, 354.316



20, 32.465, 357.174



28, 25.897, 108.279



12, 1.968, 348.255



19, 41.567, 5.514



48, 76.767, 9.548

Previews

White Background



This preview shows how the CIE LCh color 18, 17.311, 273.396 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, 17.311, 273.396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

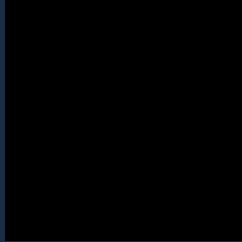
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

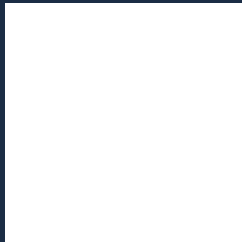
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 17.311, 273.396

Background



This preview shows how black text looks on a background with the CIELCh color 18, 17.311, 273.396.



This preview shows how white text looks on a background with the CIELCh color 18, 17.311, 273.396.

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, 17.311, 273.396

Protanopia

18, 16.718, 284.066

Deuteranopia

18, 17.614, 279.311



Tritanopia
18, 11.119, 211.927

Trichromacy



Original Color
18, 17.311, 273.396

Protanomaly
18, 16.899, 279.466

Deuteranomaly
18, 17.752, 277.384

Tritanomaly
18, 11.537, 239.653

Monochromacy



Original Color
18, 17.311, 273.396

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 6.833, 265.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 17.311, 273.396 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, 45, 69)` looks like.

```
.text, #text, p{  
    color:rgb(27, 45, 69)  
}
```

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, 45, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 45, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 17.311, 273.396 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, 45, 69) }
```

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

```
.border{ border-color:rgb(27, 45, 69) }
```

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

Here you see how a box with a 4 pixel rgb(27, 45, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 45, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 45, 69);  
box-shadow:4px 4px 4px 4px rgb(27, 45, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 17.311, 273.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 45, 69) }
```

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

```
.background{ background-color: rgb(27, 45,  
69) }
```

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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