

Converting Colors

CIELCh(18, 16.954, 276.405)

Have a look what the booklet for
CIELCh(18, 16.954, 276.405)
contains.

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Color

CIELCh(18, 17.040, 277.390)

Conversions

Conversions Part 1

Format	Color
Hex	1E2C44
RGB	30, 44, 68
RGB Percent	12%, 17%, 27%
CMY	0.8814, 0.8266, 0.7324
CMYK	0.56, 0.35, 0.00, 0.73
HSL	218°, 39%, 19%
HSV	218°, 56%, 27%
XYZ	2.5023, 2.5180, 5.8619
YIQ	42.5500, -16.0480, 4.4960

Conversions

Conversions Part 2

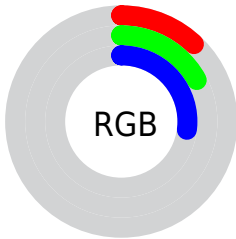
Format	Color
RYB	30, 40, 68
Decimal	1977412
CIELab	18.00, 2.19, -16.90
CIELCh	18, 17.040, 277.390
Yxy	2.5180, 0.2299, 0.2314
Android (android.graphics.Color)	4280167492 (0xFF1E2C44)
YUV	42.5500, 12.5468, -11.0064
Hunter-Lab	15.8683, 0.3785, -10.7945

Details

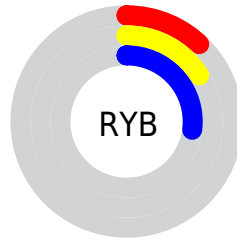
The CIELCh color **18, 17.040, 277.390** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 17.548, 81.659**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 17.020, 278.071**, and **1, 12.512, 288.908** is the 20% darker color. If you saturate the color by 10%, you get **16, 20.219, 279.892**, and if you desaturate by 10%, it is **20, 13.906, 275.195**.

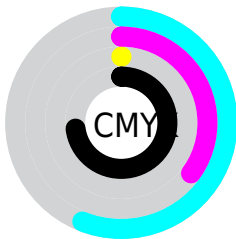
Distribution



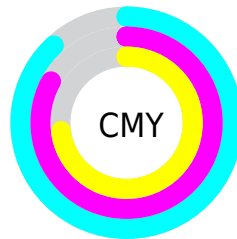
- Red (12%)
- Green (17%)
- Blue (27%)



- Red (12%)
- Yellow (16%)
- Blue (27%)



- Cyan (56%)
- Magenta (35%)
- Yellow (0%)
- Black (73%)



- Cyan (88%)
- Magenta (83%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 17.040, 277.390 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, 17.040, 277.390 by changing the saturation by 10% instead.

■ 18, 17.040,
277.390

■ 18, 17.040,
277.390

■ 100, 17.040,
277.390

■ 8, 17.040, 277.390

■ 38, 17.040,
277.390

■ 0, 17.040, 277.390

■ 48, 17.040,
277.390


■ 58, 17.040,
277.390


■ 68, 17.040,
277.390


■ 78, 17.040,
277.390


■ 88, 17.040,


277.390


 98, 17.040,
277.390


 18, 17.040,
277.390


 18, 17.040,
277.390

 16, 20.219,
279.892


 20, 13.906,
275.195

 14, 23.456,
282.704

 22, 10.808,
273.282


 12, 26.766,
285.801

 24, 7.742, 271.622

 11, 30.191,
288.670

 26, 4.706, 270.186

 28, 1.699, 268.973

 10, 31.711,
289.739

 30, 1.276, 87.701

■ 32, 4.219, 86.801

■ 34, 7.127, 85.958

■ 36, 9.999, 85.204

Harmonies

Complementary

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



18, 17.040, 277.390



24, 17.548, 81.659

Rectangle

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



18, 17.040, 277.390



18, 17.040, 327.390



18, 17.040, 97.390



18, 17.040, 147.390

Sweetspot

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



18, 17.040, 277.390



34, 6.380, 270.460



26, 18.314, 165.093



16, 4.305, 270.565



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, 17.040, 277.390



22, 25.842, 281.013



14, 27.071, 300.356



12, 1.624, 269.283



16, 42.561, 291.996



40, 85.037, 295.043

Inverse Universe

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



17, 20.167, 357.635



21, 29.780, 0.323



28, 23.752, 110.948



12, 1.896, 352.043



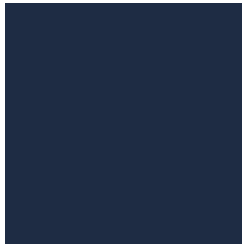
19, 41.706, 11.093



48, 77.748, 15.527

Previews

White Background



This preview shows how the CIE LCh color 18, 17.040, 277.390 looks on a white background.

Color Contrast Check

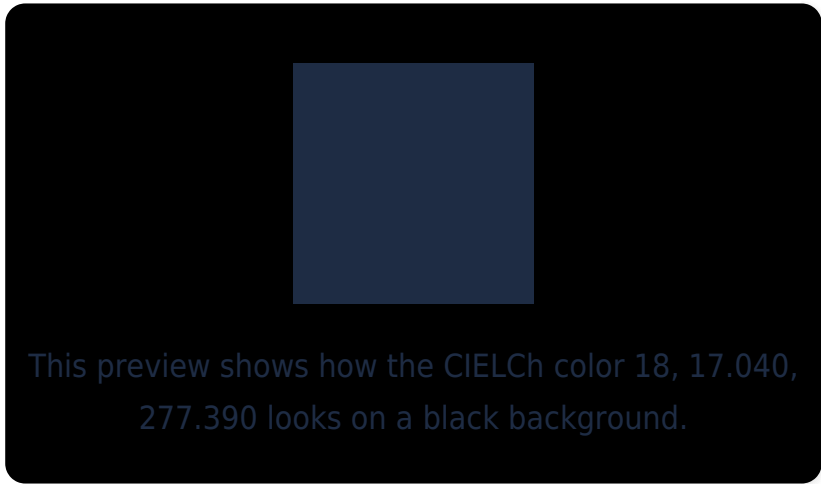
Large Text (above 18pt) WCAG AA ✓ Pass

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

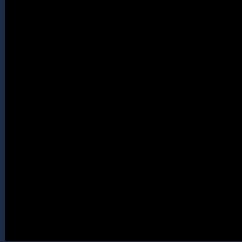
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 17.040, 277.390

Background



This preview shows how black text looks on a background with the CIELCh color 18, 17.040, 277.390.



This preview shows how white text looks on a background with the CIELCh color 18, 17.040, 277.390.

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

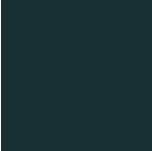
18, 17.040, 277.390

Protanopia

18, 16.718, 284.066

Deuteranopia

18, 16.967, 278.413



Tritanopia
18, 9.664, 210.097

Trichromacy



Original Color
18, 17.040, 277.390

Protanomaly
18, 16.825, 281.784

Deuteranomaly
18, 16.967, 278.413

Tritanomaly
18, 10.300, 240.656

Monochromacy



Original Color
18, 17.040, 277.390

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 6.543, 272.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 17.040, 277.390 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(30, 44, 68)` looks like.

```
.text, #text, p{  
    color:rgb(30, 44, 68)  
}
```

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(30, 44, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 44, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 17.040, 277.390 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(30, 44, 68) }
```

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

```
.border{ border-color:rgb(30, 44, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 44, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 44, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 44, 68);  
box-shadow:4px 4px 4px 4px rgb(30, 44, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 17.040, 277.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 44, 68) }
```

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

```
.background{ background-color: rgb(30, 44,  
68) }
```

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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