

Converting Colors

CIELCh(18, 12.904, 282.417)

Have a look what the booklet for
CIELCh(18, 12.904, 282.417)
contains.

CIELCh(18, 12.617, 280.630)	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, 12.617, 280.630)

Conversions

Conversions Part 1

Format	Color
Hex	252C3E
RGB	37, 44, 62
RGB Percent	15%, 17%, 24%
CMY	0.8558, 0.8284, 0.7578
CMYK	0.40, 0.29, 0.00, 0.76
HSL	223°, 25%, 19%
HSV	223°, 40%, 24%
XYZ	2.5092, 2.5180, 4.8757
YIQ	43.9590, -9.9500, 4.1140

Conversions

Conversions Part 2

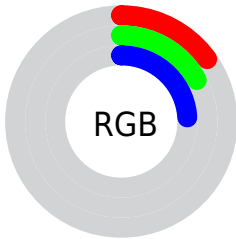
Format	Color
R_{YB}	37, 42, 62
Decimal	2436158
CIE Lab	18.00, 2.33, -12.40
CIE LCh	18, 12.617, 280.630
Yxy	2.5180, 0.2534, 0.2543
Android (android.graphics.Color)	4280626238 (0xFF252C3E)
YUV	43.9590, 8.8942, -6.1030
Hunter-Lab	15.8683, 0.4556, -7.1094

Details

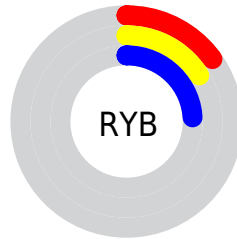
The CIELCh color **18, 12.617, 280.630** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 12.427, 90.718**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 13.056, 282.193**, and **1, 8.892, 288.391** is the 20% darker color. If you saturate the color by 10%, you get **16, 15.900, 282.510**, and if you desaturate by 10%, it is **20, 9.405, 278.986**.

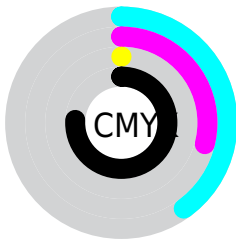
Distribution



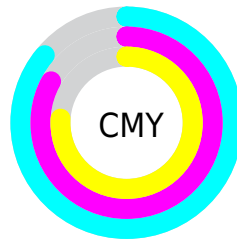
- Red (15%)
- Green (17%)
- Blue (24%)



- Red (15%)
- Yellow (16%)
- Blue (24%)



- Cyan (40%)
- Magenta (29%)
- Yellow (0%)
- Black (76%)





- Cyan (86%)
- Magenta (83%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 12.617, 280.630 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, 12.617, 280.630 by changing the saturation by 10% instead.

 18, 12.617,
280.630


 18, 12.617,
280.630


 100, 12.617,
280.630


 8, 12.617, 280.630


 38, 12.617,
280.630

 0, 12.617, 280.630

 48, 12.617,
280.630


 58, 12.617,
280.630


 68, 12.617,
280.630


 78, 12.617,
280.630


 88, 12.617,

280.630


 98, 12.617,
280.630

 18, 12.617,
280.630


 18, 12.617,
280.630

 16, 15.900,
282.510


 20, 9.405, 278.986

 14, 19.264,
284.648

 22, 6.258, 277.553

 12, 22.716,
287.053

 24, 3.172, 276.311

 10, 26.262,
289.707

 28, 2.828, 94.182

 8, 29.904, 292.387

 30, 5.745, 93.343

 32, 8.609, 92.589

■ 7, 33.269, 294.137

■ 34, 11.420, 91.914

■ 36, 14.180, 91.308

Harmonies

Complementary

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



18, 12.617, 280.630



23, 12.427, 90.718

Rectangle

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



18, 12.617, 280.630



18, 12.617, 330.630



18, 12.617, 100.630



18, 12.617, 150.630

Sweetspot

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



18, 12.617, 280.629



31, 4.475, 276.549



24, 11.676, 173.595



15, 2.996, 276.582



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



18, 12.617, 280.629



22, 18.978, 282.631



16, 17.690, 301.562



10, 1.667, 276.080



13, 47.822, 297.011



35, 96.464, 299.682

Inverse Universe

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



18, 13.043, 1.447



22, 19.557, 3.023



25, 16.337, 116.300



10, 1.688, 357.946



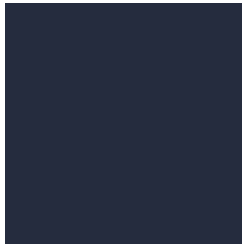
18, 41.884, 18.739



47, 80.085, 23.620

Previews

White Background



This preview shows how the CIELCh color 18, 12.617, 280.630 looks on a white background.

Color Contrast Check

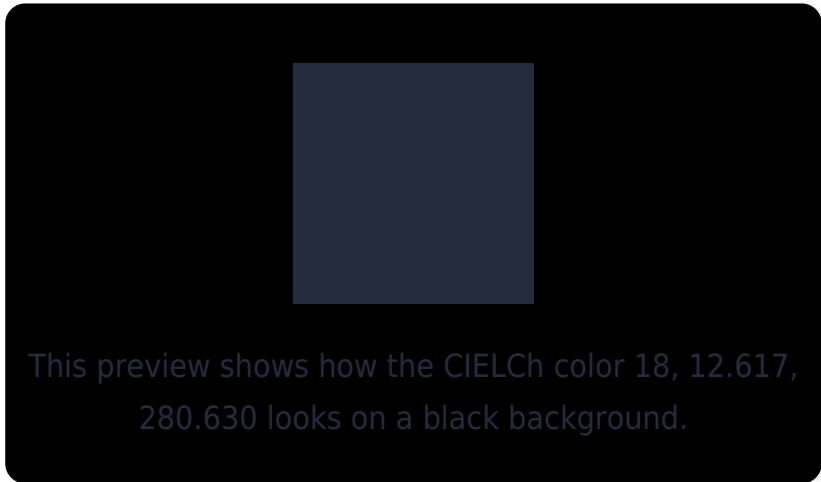
Large Text (above 18pt) WCAG AA ✓ Pass

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

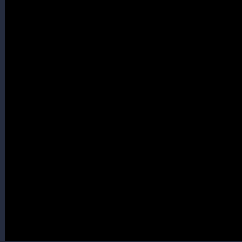
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

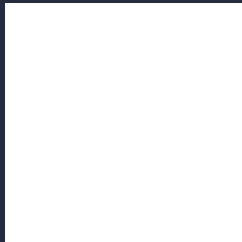
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 12.617, 280.630

Background



This preview shows how black text looks on a background with the CIELCh color 18, 12.617, 280.630.

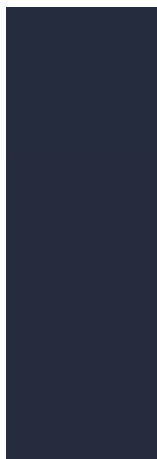


This preview shows how white text looks on a background with the CIELCh color 18, 12.617, 280.630.

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, 12.617, 280.630

Protanopia

18, 12.540, 284.126

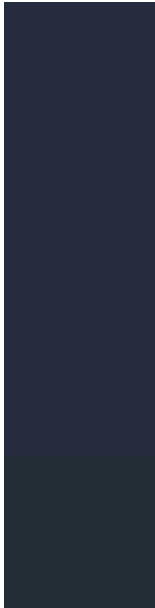
Deuteranopia

18, 12.553, 282.319



Tritanopia
18, 5.768, 227.286

Trichromacy



Original Color
18, 12.617, 280.630

Protanomaly
18, 12.540, 284.126

Deuteranomaly
18, 12.553, 282.319

Tritanomaly
18, 7.355, 257.094

Monochromacy



Original Color
18, 12.617, 280.630

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 4.326, 273.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 12.617, 280.630 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(37, 44, 62)` looks like.

```
.text, #text, p{  
  color:rgb(37, 44, 62)  
}
```

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(37, 44, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 44, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 12.617, 280.630 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(37, 44, 62) }
```

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

```
.border{ border-color:rgb(37, 44, 62) }
```

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

Here you see how a box with a 4 pixel rgb(37, 44, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 44, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 44, 62);  
box-shadow:4px 4px 4px 4px rgb(37, 44, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 12.617, 280.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 44, 62) }
```

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

```
.background{ background-color: rgb(37, 44,  
62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor