

Converting Colors

CIELCh(18, 17.550, 280.316)

Have a look what the booklet for
CIELCh(18, 17.550, 280.316)
contains.

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Color

CIELCh(18, 17.550, 280.316)

Conversions

Conversions Part 1

Format	Color
Hex	202C45
RGB	32, 44, 69
RGB Percent	13%, 17%, 27%
CMY	0.8753, 0.8282, 0.7302
CMYK	0.54, 0.36, 0.00, 0.73
HSL	221°, 37%, 20%
HSV	221°, 54%, 27%
XYZ	2.5506, 2.5180, 5.9480
YIQ	43.2620, -15.1770, 5.2310

Conversions

Conversions Part 2

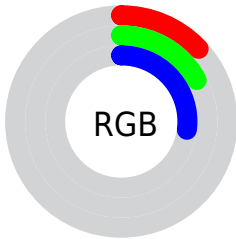
Format	Color
R_{YB}	32, 41, 69
Decimal	2108485
CIE Lab	18.00, 3.14, -17.27
CIE LCh	18, 17.550, 280.316
Yxy	2.5180, 0.2315, 0.2286
Android (android.graphics.Color)	4280298565 (0xFF202C45)
YUV	43.2620, 12.6888, -9.8768
Hunter-Lab	15.8683, 0.9219, -11.1162

Details

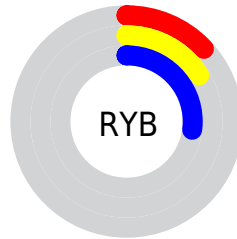
The CIELCh color **18, 17.550, 280.316** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **25, 17.546, 85.542**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 17.476, 280.948**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **16, 21.000, 282.693**, and if you desaturate by 10%, it is **20, 14.168, 278.228**.

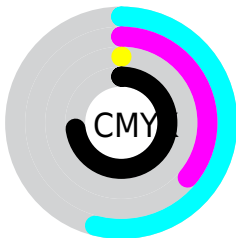
Distribution



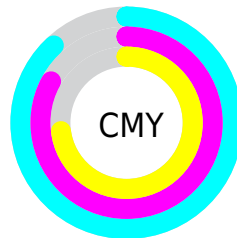
- Red (13%)
- Green (17%)
- Blue (27%)



- Red (13%)
- Yellow (16%)
- Blue (27%)



- Cyan (54%)
- Magenta (36%)
- Yellow (0%)
- Black (73%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 17.550, 280.316 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, 17.550, 280.316 by changing the saturation by 10% instead.

 18, 17.550,
280.316


 18, 17.550,
280.316


 100, 17.550,
280.316


 8, 17.550, 280.316


 38, 17.550,
280.316

 0, 17.550, 280.316

 48, 17.550,
280.316


 58, 17.550,
280.316


 68, 17.550,
280.316


 78, 17.550,
280.316


 88, 17.550,


280.316


 98, 17.550,
280.316


 18, 17.550,
280.316

 18, 17.550,
280.316

 16, 21.000,
282.693


 20, 14.168,
278.228

 14, 24.532,
285.362

 22, 10.847,
276.407

 12, 28.153,
288.296

 24, 7.579, 274.824

 10, 31.881,
291.155

 26, 4.360, 273.453

 28, 1.190, 272.314

 9, 34.265, 292.662

 30, 1.933, 91.108

■ 33, 5.009, 90.214

■ 35, 8.038, 89.399

■ 37, 11.019, 88.671

Harmonies

Complementary

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



18, 17.550, 280.316



25, 17.546, 85.542

Rectangle

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



18, 17.550, 280.316



18, 17.550, 330.316



18, 17.550, 100.316



18, 17.550, 150.316

Sweetspot

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



18, 17.550, 280.316



34, 6.298, 273.826



26, 17.135, 168.557



16, 4.291, 273.943



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, 17.550, 280.316



21, 26.665, 283.685



15, 26.258, 301.506



12, 1.701, 272.808



15, 45.693, 294.713



38, 91.216, 297.529

Inverse Universe

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



18, 19.354, 0.408



21, 28.730, 3.107



28, 23.268, 113.322



12, 1.851, 354.895



19, 42.086, 15.016



47, 79.025, 19.635

Previews

White Background



This preview shows how the CIE LCh color 18, 17.550, 280.316 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, 17.550, 280.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

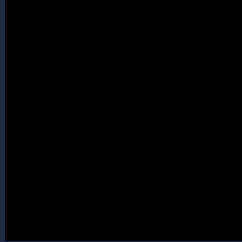
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 17.550, 280.316

Background



This preview shows how black text looks on a background with the CIELCh color 18, 17.550, 280.316.



This preview shows how white text looks on a background with the CIELCh color 18, 17.550, 280.316.

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

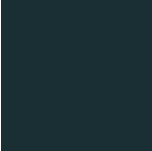
18, 17.550, 280.316

Protanopia

18, 17.386, 284.706

Deuteranopia

18, 17.614, 279.311



Tritanopia
18, 8.793, 216.327

Trichromacy



Original Color
18, 17.550, 280.316

Protanomaly
18, 17.434, 283.607

Deuteranomaly
18, 17.614, 279.311

Tritanomaly
18, 10.051, 248.064

Monochromacy



Original Color
18, 17.550, 280.316

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 6.429, 276.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 17.550, 280.316 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(32, 44, 69)` looks like.

```
.text, #text, p{  
    color:rgb(32, 44, 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(32, 44, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 44, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 17.550, 280.316 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(32, 44, 69) }
```

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

```
.border{ border-color:rgb(32, 44, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 44, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 44, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 44, 69);  
box-shadow:4px 4px 4px 4px rgb(32, 44, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 17.550, 280.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 44, 69) }
```

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

```
.background{ background-color: rgb(32, 44,  
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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