

Converting Colors

CIELCh(18, 17.549, 266.374)

Have a look what the booklet for
CIELCh(18, 17.549, 266.374)
contains.

CIELCh(18, 17.412, 265.450)	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, 17.412, 265.450)

Conversions

Conversions Part 1

Format	Color
Hex	142E45
RGB	20, 46, 69
RGB Percent	8%, 18%, 27%
CMY	0.9222, 0.8201, 0.7300
CMYK	0.71, 0.33, 0.00, 0.73
HSL	208°, 55%, 17%
HSV	208°, 71%, 27%
XYZ	2.3263, 2.5180, 5.9694
YIQ	40.8480, -22.8790, 1.6410

Conversions

Conversions Part 2

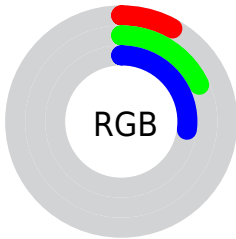
Format	Color
R_{YB}	20, 37, 69
Decimal	1322565
CIE _{Lab}	18.00, -1.38, -17.36
CIE _{LCh}	18, 17.412, 265.450
Yxy	2.5180, 0.2151, 0.2329
Android (android.graphics.Color)	4279512645 (0xFF142E45)
YUV	40.8480, 13.8789, -18.2837
Hunter-Lab	15.8683, -1.6016, -11.1961

Details

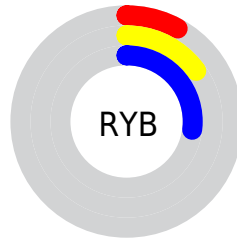
The CIELCh color **18, 17.412, 265.450** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 21.768, 64.478**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 16.994, 264.369**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **17, 19.626, 268.753**, and if you desaturate by 10%, it is **19, 15.149, 262.563**.

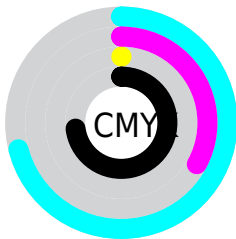
Distribution



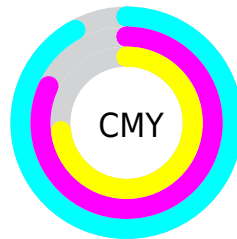
- Red (8%)
- Green (18%)
- Blue (27%)



- Red (8%)
- Yellow (15%)
- Blue (27%)



- Cyan (71%)
- Magenta (33%)
- Yellow (0%)
- Black (73%)



- Cyan (92%)
- Magenta (82%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 17.412, 265.450 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, 17.412, 265.450 by changing the saturation by 10% instead.

■ 18, 17.412,
265.450

■ 18, 17.412,
265.450

■ 100, 17.412,
265.450

■ 8, 17.412, 265.450

■ 38, 17.412,
265.450

■ 0, 17.412, 265.450

■ 48, 17.412,
265.450

■ 58, 17.412,
265.450


■ 68, 17.412,
265.450


■ 78, 17.412,
265.450


■ 88, 17.412,


265.450


 98, 17.412,
265.450


 18, 17.412,
265.450


 18, 17.412,
265.450


 17, 19.626,
268.753

 19, 15.149,
262.563

 15, 21.839,
272.274

 21, 12.823,
260.073

 14, 23.884,
274.918

 23, 10.431,
257.945

 24, 7.975, 256.133

 26, 5.464, 254.596

 27, 2.906, 253.304

■ 29, 0.314, 252.694

■ 31, 2.305, 71.054

■ 32, 4.940, 70.253

Harmonies

Complementary

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



18, 17.412, 265.450



20, 21.768, 64.478

Rectangle

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



18, 17.412, 265.450



18, 17.412, 315.450



18, 17.412, 85.450



18, 17.412, 135.450

Sweetspot

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



18, 17.412, 265.451



34, 6.713, 254.689



25, 26.027, 154.724



16, 4.578, 254.863



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, 17.412, 265.451



22, 25.293, 271.391



10, 34.503, 299.191



13, 1.494, 253.018



22, 32.192, 277.788



51, 62.906, 281.528

Inverse Universe

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



15, 27.022, 349.226



19, 37.100, 352.482



28, 28.718, 102.755



13, 2.245, 342.580



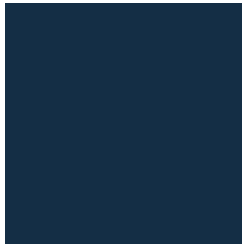
20, 43.095, 356.631



49, 77.983, 359.666

Previews

White Background



This preview shows how the CIE LCh color 18, 17.412, 265.450 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, 17.412, 265.450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

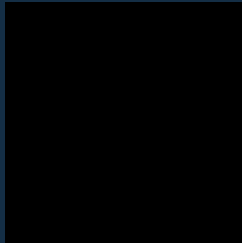
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

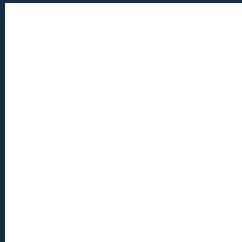
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 17.412, 265.450

Background



This preview shows how black text looks on a background with the CIELCh color 18, 17.412, 265.450.



This preview shows how white text looks on a background with the CIELCh color 18, 17.412, 265.450.

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, 17.412, 265.450

Protanopia

18, 16.672, 285.246

Deuteranopia

18, 17.614, 279.311



Tritanopia
18, 14.616, 207.778

Trichromacy



Original Color
18, 17.412, 265.450

Protanomaly
18, 17.040, 277.390

Deuteranomaly
18, 17.311, 273.396

Tritanomaly
18, 14.007, 230.696

Monochromacy



Original Color
18, 17.412, 265.450

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 6.857, 253.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 17.412, 265.450 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(20, 46, 69)` looks like.

```
.text, #text, p{  
    color:rgb(20, 46, 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(20, 46, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 46, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 17.412, 265.450 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(20, 46, 69) }
```

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

```
.border{ border-color:rgb(20, 46, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 46, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 46, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 46, 69);  
box-shadow:4px 4px 4px 4px rgb(20, 46, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 17.412, 265.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 46, 69) }
```

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

```
.background{ background-color: rgb(20, 46,  
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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