

Converting Colors

CIELCh(19, 17.276, 278.410)

Have a look what the booklet for
CIELCh(19, 17.276, 278.410)
contains.

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Color

CIELCh(19, 17.514, 279.016)

Conversions

Conversions Part 1

Format	Color
Hex	212E47
RGB	33, 46, 71
RGB Percent	13%, 18%, 28%
CMY	0.8700, 0.8191, 0.7210
CMYK	0.53, 0.35, 0.00, 0.72
HSL	219°, 36%, 20%
HSV	219°, 53%, 28%
XYZ	2.7559, 2.7468, 6.3704
YIQ	44.9630, -15.7730, 5.0190

Conversions

Conversions Part 2

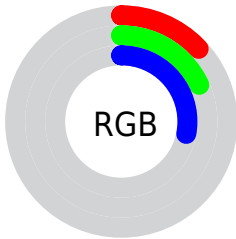
Format	Color
R_YB	33, 43, 71
Decimal	2174535
CIE Lab	19.00, 2.74, -17.30
CIE LCh	19, 17.514, 279.016
Yxy	2.7468, 0.2321, 0.2313
Android (android.graphics.Color)	4280364615 (0xFF212E47)
YUV	44.9630, 12.8362, -10.4916
Hunter-Lab	16.5735, 0.6776, -11.1880

Details

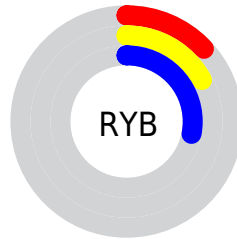
The CIELCh color **19, 17.514, 279.016** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **25, 17.708, 84.131**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 17.515, 278.595**, and **1, 14.936, 289.238** is the 20% darker color. If you saturate the color by 10%, you get **17, 20.955, 281.434**, and if you desaturate by 10%, it is **21, 14.133, 276.896**.

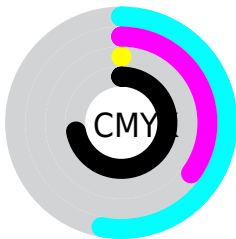
Distribution



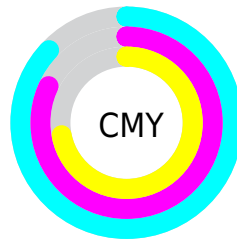
- Red (13%)
- Green (18%)
- Blue (28%)



- Red (13%)
- Yellow (17%)
- Blue (28%)



- Cyan (53%)
- Magenta (35%)
- Yellow (0%)
- Black (72%)



- Cyan (87%)
- Magenta (82%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 17.514, 279.016 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 19, 17.514, 279.016 by changing the saturation by 10% instead.

■ 19, 17.514,
279.016

■ 19, 17.514,
279.016

■ 100, 17.514,
279.016

■ 9, 17.514, 279.016

■ 39, 17.514,
279.016

■ 0, 17.514, 279.016

■ 49, 17.514,
279.016


■ 59, 17.514,
279.016


■ 69, 17.514,
279.016


■ 79, 17.514,
279.016


■ 89, 17.514,


279.016


 99, 17.514,
279.016


 19, 17.514,
279.016


 19, 17.514,
279.016

 17, 20.955,
281.434


 21, 14.133,
276.896

 15, 24.471,
284.156

 23, 10.805,
275.050


 13, 28.073,
287.156

 25, 7.522, 273.447

 11, 31.780,
290.142

 27, 4.283, 272.062

 30, 1.086, 270.925

 10, 34.294,
291.813

 32, 2.068, 89.693

■ 34, 5.179, 88.790

■ 36, 8.246, 87.970

■ 38, 11.268, 87.237

Harmonies

Complementary

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



19, 17.514, 279.016



25, 17.708, 84.131

Rectangle

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



19, 17.514, 279.016



19, 17.514, 329.016



19, 17.514, 99.016



19, 17.514, 149.016

Sweetspot

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



19, 17.514, 279.016



35, 6.324, 272.483



27, 17.752, 167.455



16, 4.209, 272.593



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



19, 17.514, 279.016



22, 26.196, 282.232



15, 26.811, 301.029



13, 1.779, 271.470



16, 45.424, 293.813



39, 89.603, 296.614

Inverse Universe

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



19, 19.871, 359.168



22, 29.087, 1.647



29, 23.726, 112.576



13, 1.992, 353.765



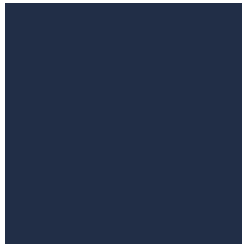
19, 42.698, 13.662



48, 79.147, 18.066

Previews

White Background



This preview shows how the CIE LCh color 19, 17.514, 279.016 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 19, 17.514, 279.016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

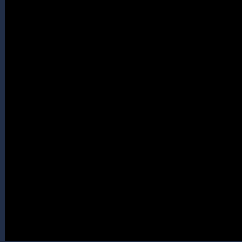
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 17.514, 279.016

Background



This preview shows how black text looks on a background with the CIELCh color 19, 17.514, 279.016.



This preview shows how white text looks on a background with the CIELCh color 19, 17.514, 279.016.

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

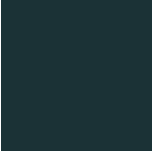
19, 17.514, 279.016

Protanopia

19, 17.277, 284.482

Deuteranopia

19, 17.514, 279.016



Tritanopia
19, 9.419, 214.830

Trichromacy



Original Color
19, 17.514, 279.016

Protanomaly
19, 17.326, 283.368

Deuteranomaly
19, 17.514, 279.016

Tritanomaly
19, 10.453, 244.898

Monochromacy



Original Color
19, 17.514, 279.016

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 7.046, 277.784

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 17.514, 279.016 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(33, 46, 71)` looks like.

```
.text, #text, p{  
    color:rgb(33, 46, 71)  
}
```

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(33, 46, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 46, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 17.514, 279.016 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(33, 46, 71) }
```

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

```
.border{ border-color:rgb(33, 46, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 46, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 46, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 46, 71);  
box-shadow:4px 4px 4px 4px rgb(33, 46, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 17.514, 279.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 46, 71) }
```

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

```
.background{ background-color: rgb(33, 46,  
71) }
```

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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