

Converting Colors

CIELCh(19, 16.136, 276.272)

Have a look what the booklet for
CIELCh(19, 16.136, 276.272)
contains.

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Color

CIELCh(19, 16.231, 277.162)

Conversions

Conversions Part 1

Format	Color
Hex	212E45
RGB	33, 46, 69
RGB Percent	13%, 18%, 27%
CMY	0.8691, 0.8182, 0.7279
CMYK	0.52, 0.33, 0.00, 0.73
HSL	218°, 35%, 20%
HSV	218°, 52%, 27%
XYZ	2.7172, 2.7468, 6.0812
YIQ	44.7350, -15.1310, 4.3970

Conversions

Conversions Part 2

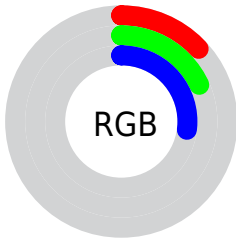
Format	Color
RYB	33, 43, 69
Decimal	2174533
CIELab	19.00, 2.02, -16.10
CIELCh	19, 16.231, 277.162
Yxy	2.7468, 0.2354, 0.2379
Android (android.graphics.Color)	4280364613 (0xFF212E45)
YUV	44.7350, 11.9626, -10.2916
Hunter-Lab	16.5735, 0.2615, -10.1533

Details

The CIELCh color **19, 16.231, 277.162** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 16.618, 82.770**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 15.767, 276.473**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **17, 19.480, 279.546**, and if you desaturate by 10%, it is **21, 13.028, 275.076**.

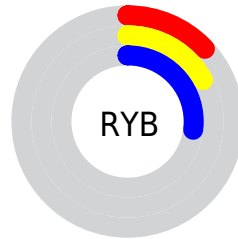
Distribution



Red (13%)

Green (18%)

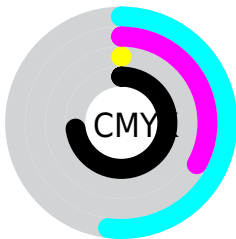
Blue (27%)



Red (13%)

Yellow (17%)

Blue (27%)

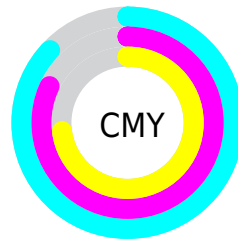


Cyan (52%)

Magenta (33%)

Yellow (0%)

Black (73%)



Cyan (87%)

Magenta (82%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 16.231, 277.162 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, 16.231, 277.162 by changing the saturation by 10% instead.

■ 19, 16.231,
277.162

■ 19, 16.231,
277.162

■ 100, 16.231,
277.162

■ 9, 16.231, 277.162

■ 39, 16.231,
277.162

■ 0, 16.231, 277.162

■ 49, 16.231,
277.162


■ 59, 16.231,
277.162


■ 69, 16.231,
277.162


■ 79, 16.231,
277.162

■ 89, 16.231,


277.162


 99, 16.231,
277.162

 19, 16.231,
277.162


 19, 16.231,
277.162

 17, 19.480,
279.546

 21, 13.028,
275.076


 15, 22.789,
282.240

 23, 9.864, 273.263


 13, 26.170,
285.229

 25, 6.735, 271.690

 27, 3.640, 270.333

 11, 29.646,
288.289

 29, 0.578, 269.314

 10, 32.566,
290.387

 31, 2.449, 88.003

■ 33, 5.439, 87.108

■ 35, 8.391, 86.299

■ 37, 11.305, 85.576

Harmonies

Complementary

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



19, 16.231, 277.162



25, 16.618, 82.770

Rectangle

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



19, 16.231, 277.162



19, 16.231, 327.162



19, 16.231, 97.162



19, 16.231, 147.162

Sweetspot

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



19, 16.231, 277.162



34, 6.051, 270.949



27, 17.194, 166.585



16, 4.122, 271.068



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, 16.231, 277.162



23, 24.092, 280.196



15, 25.432, 300.341



13, 1.744, 269.938



16, 44.046, 292.630



40, 86.912, 295.527

Inverse Universe

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



18, 19.034, 357.570



22, 27.750, 359.790



28, 22.590, 111.927



13, 2.013, 352.544



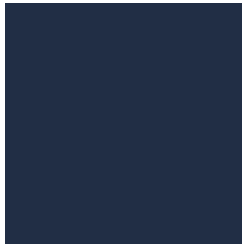
19, 42.537, 11.965



48, 78.612, 16.289

Previews

White Background



This preview shows how the CIE LCh color 19, 16.231, 277.162 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, 16.231, 277.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

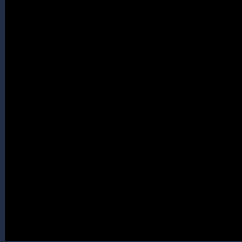
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 16.231, 277.162

Background



This preview shows how black text looks on a background with the CIELCh color 19, 16.231, 277.162.



This preview shows how white text looks on a background with the CIELCh color 19, 16.231, 277.162.

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, 16.231, 277.162

Protanopia

19, 16.567, 285.039

Deuteranopia

19, 16.085, 279.434



Tritanopia
19, 9.106, 215.486

Trichromacy



Original Color
19, 16.231, 277.162

Protanomaly
19, 16.665, 282.675

Deuteranomaly
19, 16.156, 278.283

Tritanomaly
19, 10.232, 246.238

Monochromacy



Original Color
19, 16.231, 277.162

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 6.387, 275.995

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 16.231, 277.162 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(33, 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(33, 46, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 46, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 16.231, 277.162 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, 69) }
```

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

```
.border{ border-color:rgb(33, 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(33, 46, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 46, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 46, 69);  
box-shadow:4px 4px 4px 4px rgb(33, 46, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 16.231, 277.162 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, 69) }
```

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

```
.background{ background-color: rgb(33, 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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