

Converting Colors

CIELCh(16, 15.717, 272.829)

Have a look what the booklet for
CIELCh(16, 15.717, 272.829)
contains.

CIELCh(16, 15.531, 271.399)	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(16, 15.531, 271.399)

Conversions

Conversions Part 1

Format	Color
Hex	18293E
RGB	24, 41, 62
RGB Percent	9%, 16%, 24%
CMY	0.9072, 0.8404, 0.7581
CMYK	0.62, 0.34, 0.00, 0.76
HSL	213°, 45%, 17%
HSV	213°, 62%, 24%
XYZ	2.0118, 2.0993, 4.8096
YIQ	38.3110, -16.8730, 2.9270

Conversions

Conversions Part 2

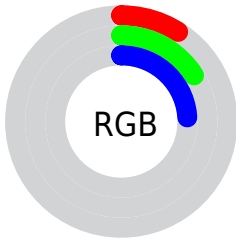
Format	Color
R_{YB}	24, 36, 62
Decimal	1583422
CIE Lab	16.00, 0.38, -15.53
CIE LCh	16, 15.531, 271.399
Yxy	2.0993, 0.2255, 0.2353
Android (android.graphics.Color)	4279773502 (0xFF18293E)
YUV	38.3110, 11.6787, -12.5507
Hunter-Lab	14.4890, -0.5706, -9.5388

Details

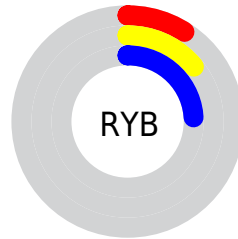
The CIELCh color **16, 15.531, 271.399** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 17.209, 73.723**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 15.744, 271.088**, and **1, 8.250, 288.252** is the 20% darker color. If you saturate the color by 10%, you get **14, 18.026, 274.136**, and if you desaturate by 10%, it is **18, 13.034, 269.001**.

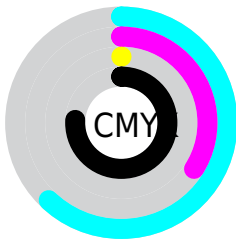
Distribution



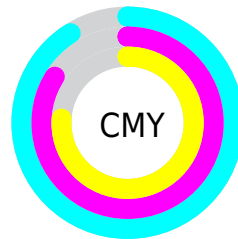
- Red (9%)
- Green (16%)
- Blue (24%)



- Red (9%)
- Yellow (14%)
- Blue (24%)



- Cyan (62%)
- Magenta (34%)
- Yellow (0%)
- Black (76%)



- Cyan (91%)
- Magenta (84%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 15.531, 271.399 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 16, 15.531, 271.399 by changing the saturation by 10% instead.

■ 16, 15.531,
271.399

■ 16, 15.531,
271.399

■ 100, 15.531,
271.399

■ 6, 15.531, 271.399

■ 36, 15.531,
271.399

■ 0, 15.531, 271.399

■ 46, 15.531,
271.399


■ 56, 15.531,
271.399


■ 66, 15.531,
271.399


■ 76, 15.531,
271.399


■ 86, 15.531,


271.399


 96, 15.531,
271.399


 16, 15.531,
271.399


 16, 15.531,
271.399

 14, 18.026,
274.136


 18, 13.034,
269.001

 13, 20.534,
277.213

 19, 10.527,
266.916

 11, 23.101,
280.297

 21, 8.010, 265.114

 10, 25.347,
282.432

 22, 5.483, 263.558

 24, 2.950, 262.226

 26, 0.414, 261.343

■ 27, 2.118, 79.903

■ 29, 4.642, 79.036

■ 31, 7.155, 78.250

Harmonies

Complementary

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



16, 15.531, 271.399



20, 17.209, 73.723

Rectangle

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



16, 15.531, 271.399



16, 15.531, 321.399



16, 15.531, 91.399



16, 15.531, 141.399

Sweetspot

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



16, 15.531, 271.399



30, 5.615, 263.155



23, 19.538, 160.547



14, 3.937, 263.341



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



16, 15.531, 271.399



19, 22.897, 275.793



11, 27.755, 299.384



11, 1.400, 261.848



18, 36.095, 285.693



45, 72.877, 289.292

Inverse Universe

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



14, 21.052, 352.933



17, 29.977, 355.722



25, 23.866, 107.530



10, 1.859, 347.115



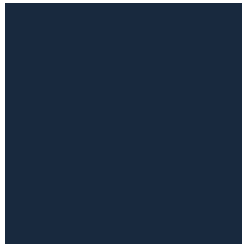
18, 40.857, 3.620



48, 76.006, 7.636

Previews

White Background



This preview shows how the CIE LCh color 16, 15.531, 271.399 looks on a white background.

Color Contrast Check

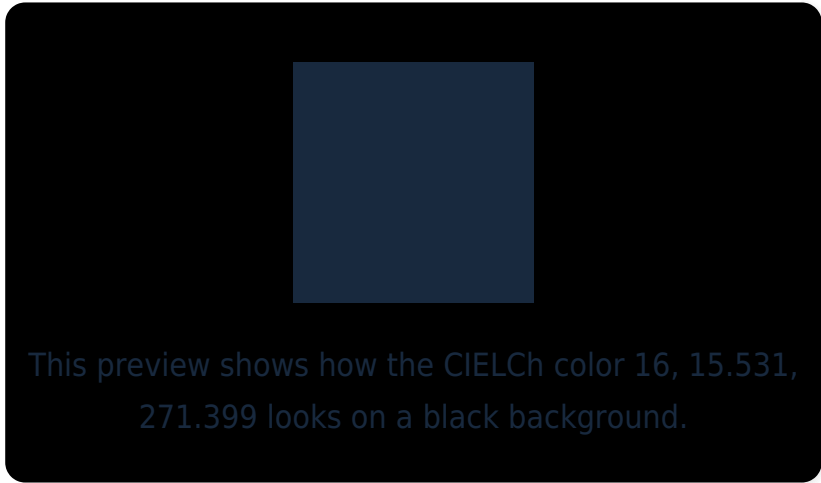
Large Text (above 18pt) WCAG AA ✓ Pass

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

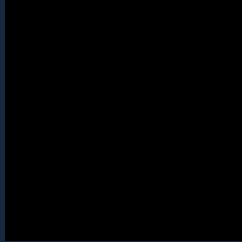
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

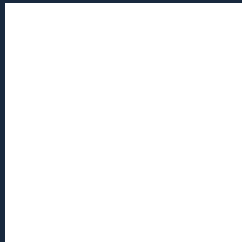
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 15.531, 271.399

Background



This preview shows how black text looks on a background with the CIELCh color 16, 15.531, 271.399.



This preview shows how white text looks on a background with the CIELCh color 16, 15.531, 271.399.

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

16, 15.531, 271.399

Protanopia

16, 14.858, 283.679

Deuteranopia

16, 15.791, 278.183



Tritanopia
16, 10.493, 209.018

Trichromacy



Original Color
16, 15.531, 271.399

Protanomaly
16, 15.062, 278.344

Deuteranomaly
16, 15.944, 275.975

Tritanomaly
16, 10.647, 234.593

Monochromacy



Original Color
16, 15.531, 271.399

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 6.134, 266.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 15.531, 271.399 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(24, 41, 62)` looks like.

```
.text, #text, p{  
    color:rgb(24, 41, 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(24, 41, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 41, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 15.531, 271.399 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(24, 41, 62) }
```

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

```
.border{ border-color:rgb(24, 41, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 41, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 41, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 41, 62);  
box-shadow:4px 4px 4px 4px rgb(24, 41, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 15.531, 271.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 41, 62) }
```

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

```
.background{ background-color: rgb(24, 41,  
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](#).

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