

Converting Colors

CIELCh(19, 16.462, 267.933)

Have a look what the booklet for
CIELCh(19, 16.462, 267.933)
contains.

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Color

CIELCh(19, 16.285, 267.537)

Conversions

Conversions Part 1

Format	Color
Hex	1B3046
RGB	27, 48, 70
RGB Percent	11%, 19%, 27%
CMY	0.8958, 0.8133, 0.7271
CMYK	0.62, 0.32, 0.00, 0.73
HSL	211°, 45%, 19%
HSV	211°, 62%, 27%
XYZ	2.5746, 2.7468, 6.1208
YIQ	44.2290, -19.5780, 2.3900

Conversions

Conversions Part 2

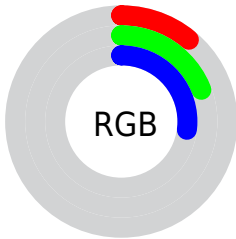
Format	Color
R_{YB}	27, 41, 70
Decimal	1781830
CIE Lab	19.00, -0.70, -16.27
CIE LCh	19, 16.285, 267.537
Yxy	2.7468, 0.2250, 0.2401
Android (android.graphics.Color)	4279971910 (0xFF1B3046)
YUV	44.2290, 12.7051, -15.1098
Hunter-Lab	16.5735, -1.2747, -10.2950




Details

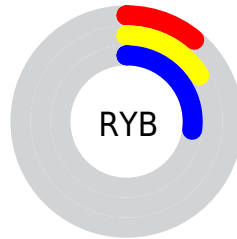
The CIELCh color **19, 16.285, 267.537** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 18.883, 69.585**, and the grayscale version is **18, 0.003, 296.813**.




A 20% lighter version of the original color is **39, 16.026, 266.127**, and **1, 14.128, 289.097** is the 20% darker color. If you saturate the color by 10%, you get **17, 18.800, 270.440**, and if you desaturate by 10%, it is **21, 13.739, 265.012**.

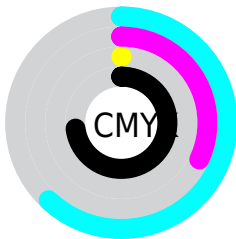
Distribution







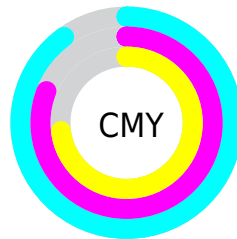
-  Red (11%)
-  Green (19%)
-  Blue (27%)






-  Red (11%)
-  Yellow (16%)
-  Blue (27%)



-  Cyan (62%)
-  Magenta (32%)
-  Yellow (0%)
-  Black (73%)



-  Cyan (90%)
-  Magenta (81%)
-  Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 16.285, 267.537 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, 16.285, 267.537 by changing the saturation by 10% instead.

■ 19, 16.285,
267.537

■ 19, 16.285,
267.537

■ 100, 16.285,
267.537

■ 9, 16.285, 267.537

■ 39, 16.285,
267.537

■ 0, 16.285, 267.537

■ 49, 16.285,
267.537


■ 59, 16.285,
267.537


■ 69, 16.285,
267.537


■ 79, 16.285,
267.537


■ 89, 16.285,


267.537


 99, 16.285,
267.537


 19, 16.285,
267.537


 19, 16.285,
267.537

 17, 18.800,
270.440


 21, 13.739,
265.012

 16, 21.302,
273.726

 22, 11.155,
262.836

 14, 23.838,
277.165

 24, 8.533, 260.970

 13, 26.010,
279.561

 26, 5.878, 259.375

 27, 3.196, 258.020

 29, 0.494, 257.121

■ 31, 2.220, 75.672

■ 33, 4.937, 74.816

■ 35, 7.653, 74.043

Harmonies

Complementary

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



19, 16.285, 267.537



22, 18.883, 69.585

Rectangle

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



19, 16.285, 267.537



19, 16.285, 317.537



19, 16.285, 87.537



19, 16.285, 137.537

Sweetspot

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



19, 16.285, 267.537



34, 6.302, 259.074



26, 22.585, 157.675



16, 4.372, 259.281



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, 16.285, 267.537



23, 23.751, 272.046



12, 30.899, 298.495



13, 1.542, 257.642



20, 34.891, 282.210



48, 68.491, 285.753

Inverse Universe

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



17, 23.741, 350.476



20, 33.510, 353.066



29, 26.384, 105.037



13, 2.182, 344.820



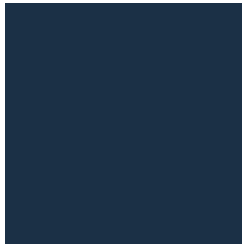
20, 42.629, 0.269



49, 77.424, 3.682

Previews

White Background



This preview shows how the CIE LCh color 19, 16.285, 267.537 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, 16.285, 267.537 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

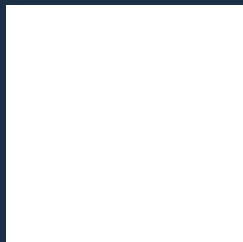
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 16.285, 267.537

Background



This preview shows how black text looks on a background with the CIELCh color 19, 16.285, 267.537.



This preview shows how white text looks on a background with the CIELCh color 19, 16.285, 267.537.

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, 16.285, 267.537

Protanopia

19, 15.856, 285.702

Deuteranopia

19, 16.734, 280.287



Tritanopia
19, 11.945, 210.695

Trichromacy



Original Color
19, 16.285, 267.537

Protanomaly
19, 16.156, 278.283

Deuteranomaly
19, 16.350, 274.858

Tritanomaly
19, 11.880, 233.413

Monochromacy



Original Color
19, 16.285, 267.537

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 6.195, 262.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 16.285, 267.537 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(27, 48, 70)` looks like.

```
.text, #text, p{  
    color:rgb(27, 48, 70)  
}
```

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(27, 48, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 48, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 16.285, 267.537 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(27, 48, 70) }
```

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

```
.border{ border-color:rgb(27, 48, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 48, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 48, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 48, 70);  
box-shadow:4px 4px 4px 4px rgb(27, 48, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 16.285, 267.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 48, 70) }
```

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

```
.background{ background-color: rgb(27, 48,  
70) }
```

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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