

Converting Colors

CIELCh(19, 14.129, 289.400)

Have a look what the booklet for
CIELCh(19, 14.129, 289.400)
contains.

CIELCh(19, 13.735, 288.489)	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(19, 13.735, 288.489)

Conversions

Conversions Part 1

Format	Color
Hex	2A2D41
RGB	42, 45, 65
RGB Percent	16%, 18%, 25%
CMY	0.8354, 0.8237, 0.7452
CMYK	0.35, 0.31, 0.00, 0.75
HSL	232°, 22%, 21%
HSV	232°, 35%, 25%
XYZ	2.8435, 2.7468, 5.3758
YIQ	46.3830, -8.2080, 5.5840

Conversions

Conversions Part 2

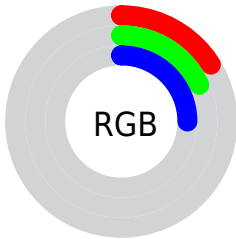
Format	Color
R_{YB}	42, 45, 65
Decimal	2764097
CIE Lab	19.00, 4.36, -13.03
CIE LCh	19, 13.735, 288.489
Yxy	2.7468, 0.2593, 0.2505
Android (android.graphics.Color)	4280954177 (0xFF2A2D41)
YUV	46.3830, 9.1782, -3.8439
Hunter-Lab	16.5735, 1.6213, -7.6298

Details

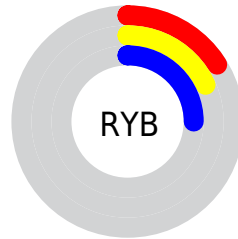
The CIELCh color **19, 13.735, 288.489** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 13.026, 100.879**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 13.495, 287.411**, and **1, 10.980, 288.731** is the 20% darker color. If you saturate the color by 10%, you get **17, 17.903, 290.098**, and if you desaturate by 10%, it is **21, 9.702, 287.086**.

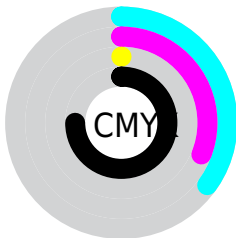
Distribution



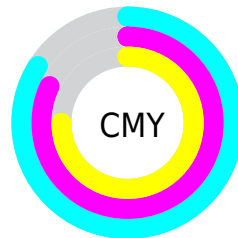
- Red (16%)
- Green (18%)
- Blue (25%)



- Red (16%)
- Yellow (18%)
- Blue (25%)



- Cyan (35%)
- Magenta (31%)
- Yellow (0%)
- Black (75%)



- Cyan (84%)
- Magenta (82%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.735, 288.489 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, 13.735, 288.489 by changing the saturation by 10% instead.

■ 19, 13.735,
288.489

■ 19, 13.735,
288.489

■ 100, 13.735,
288.489

■ 9, 13.735, 288.489

■ 39, 13.735,
288.489

■ 0, 13.735, 288.489

■ 49, 13.735,
288.489

■ 59, 13.735,
288.489

■ 69, 13.735,
288.489

■ 79, 13.735,
288.489

■ 89, 13.735,

288.489

99, 13.735,
288.489

19, 13.735,
288.489

19, 13.735,
288.489

17, 17.903,
290.098

21, 9.702, 287.086

14, 22.214,
291.929

24, 5.795, 285.867

12, 26.668,
293.983

26, 2.006, 284.822

10, 31.238,
296.231

31, 5.252, 103.045

8, 35.814, 298.550

33, 8.733, 102.336

36, 12.122,

■ 6, 39.497, 299.633 101.708

■ 5, 40.820, 299.676 ■ 38, 15.424,
101.151

■ 40, 18.642,
100.655

Harmonies

Complementary

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



19, 13.735, 288.489



26, 13.026, 100.879

Rectangle

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



19, 13.735, 288.489



19, 13.735, 338.489



19, 13.735, 108.489



19, 13.735, 158.489

Sweetspot

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



19, 13.734, 288.489



33, 5.104, 285.434



26, 9.810, 185.860



15, 3.462, 285.485



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



19, 13.734, 288.489



23, 20.484, 289.820



19, 16.244, 306.155



11, 2.108, 285.130



10, 58.658, 302.979



30, 114.288, 304.579

Inverse Universe

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



20, 11.479, 12.039



25, 17.195, 13.205



26, 15.348, 122.644



12, 1.712, 9.244



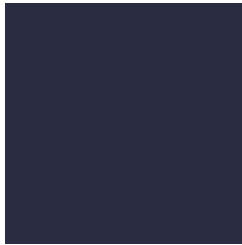
18, 45.846, 29.816



47, 88.960, 34.792

Previews

White Background



This preview shows how the CIE LCh color 19, 13.735, 288.489 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, 13.735, 288.489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

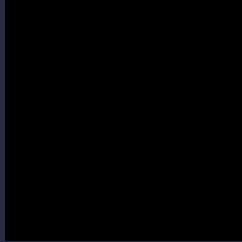
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 13.735, 288.489

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.735, 288.489.



This preview shows how white text looks on a background with the CIELCh color 19, 13.735, 288.489.

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

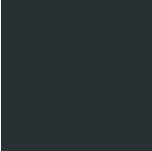
19, 13.735, 288.489

Protanopia

19, 13.802, 285.325

Deuteranopia

19, 13.139, 282.959



Tritanopia
19, 4.404, 226.675

Trichromacy



Original Color
19, 13.735, 288.489

Protanomaly
19, 13.764, 286.894

Deuteranomaly
19, 13.088, 284.598

Tritanomaly
19, 6.754, 265.578

Monochromacy



Original Color
19, 13.735, 288.489

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 4.811, 286.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.735, 288.489 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(42, 45, 65)` looks like.

```
.text, #text, p{  
    color:rgb(42, 45, 65)  
}
```

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(42, 45, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 45, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.735, 288.489 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(42, 45, 65) }
```

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

```
.border{ border-color:rgb(42, 45, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 45, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 45, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 45, 65);  
box-shadow:4px 4px 4px 4px rgb(42, 45, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.735, 288.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 45, 65) }
```

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

```
.background{ background-color: rgb(42, 45,  
65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor