

Converting Colors

CIELCh(19, 15.201, 295.655)

Have a look what the booklet for
CIELCh(19, 15.201, 295.655)
contains.

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Color

CIELCh(19, 15.121, 295.258)

Conversions

Conversions Part 1

Format	Color
Hex	2D2C42
RGB	45, 44, 66
RGB Percent	18%, 17%, 26%
CMY	0.8237, 0.8277, 0.7414
CMYK	0.32, 0.33, 0.00, 0.74
HSL	243°, 20%, 22%
HSV	243°, 33%, 26%
XYZ	2.9603, 2.7468, 5.5198
YIQ	46.8070, -6.4660, 7.0540

Conversions

Conversions Part 2

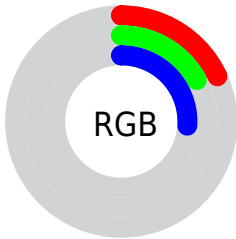
Format	Color
RYB	45, 44, 66
Decimal	2960450
CIELab	19.00, 6.45, -13.68
CIElCh	19, 15.121, 295.258
Yxy	2.7468, 0.2637, 0.2447
Android (android.graphics.Color)	4281150530 (0xFF2D2C42)
YUV	46.8070, 9.4621, -1.5847
Hunter-Lab	16.5735, 2.8790, -8.1449




Details

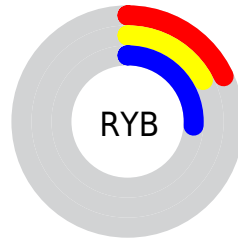
The CIELCh color **19, 15.121, 295.258** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 14.087, 109.338**, and the grayscale version is **19, 0.004, 296.813**.




A 20% lighter version of the original color is **39, 15.383, 295.362**, and **1, 12.136, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **16, 20.022, 296.573**, and if you desaturate by 10%, it is **22, 10.395, 294.106**.

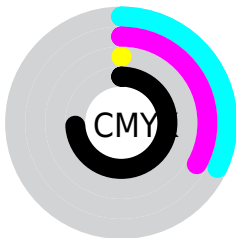
Distribution







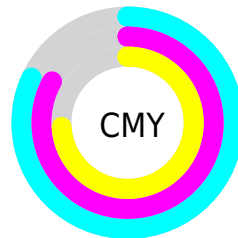
-  Red (18%)
-  Green (17%)
-  Blue (26%)






-  Red (18%)
-  Yellow (17%)
-  Blue (26%)



-  Cyan (32%)
-  Magenta (33%)
-  Yellow (0%)
-  Black (74%)



-  Cyan (82%)
-  Magenta (83%)
-  Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 15.121, 295.258 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, 15.121, 295.258 by changing the saturation by 10% instead.

■ 19, 15.121,
295.258

■ 19, 15.121,
295.258

■ 100, 15.121,
295.258

■ 9, 15.121, 295.258

■ 39, 15.121,
295.258

■ 0, 15.121, 295.258

■ 49, 15.121,
295.258


■ 59, 15.121,
295.258


■ 69, 15.121,
295.258


■ 79, 15.121,
295.258


■ 89, 15.121,


295.258


 99, 15.121,
295.258

 19, 15.121,
295.258


 19, 15.121,
295.258

 16, 20.022,
296.573

 22, 10.395,
294.106

 14, 25.093,
298.056

 24, 5.839, 293.104

 11, 30.299,
299.689


 27, 1.444, 292.245

 30, 2.800, 111.467

 9, 35.544, 301.418

 32, 6.903, 110.816

 7, 40.222, 302.736

 35, 10.875,
110.246

 5, 43.769, 303.234

■ 4, 45.980, 303.310

■ 38, 14.723,
109.748

■ 40, 18.455,
109.312

■ 43, 22.078,
108.929

Harmonies

Complementary

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



19, 15.121, 295.258



27, 14.087, 109.338

Rectangle

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



19, 15.121, 295.258



19, 15.121, 345.258



19, 15.121, 115.258



19, 15.121, 165.258

Sweetspot

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



19, 15.120, 295.258



34, 5.462, 292.838



26, 8.676, 201.208



15, 3.671, 292.888



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, 15.120, 295.258



23, 23.123, 296.351



20, 15.828, 311.593



11, 2.423, 292.670



8, 65.567, 306.572



28, 121.285, 306.392

Inverse Universe

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



21, 17.032, 327.311



27, 25.515, 327.714



26, 15.242, 128.882



12, 2.841, 326.068



21, 55.018, 330.004



53, 101.213, 330.148

Previews

White Background



This preview shows how the CIE LCh color 19, 15.121, 295.258 looks on a white background.

Color Contrast Check

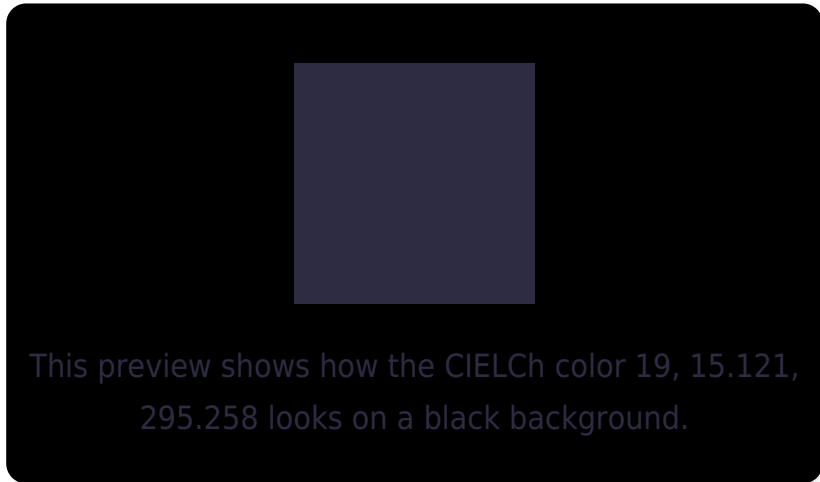
Large Text (above 18pt) WCAG AA ✓ Pass

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 19, 15.121, 295.258

Background



This preview shows how black text looks on a background with the CIELCh color 19, 15.121, 295.258.

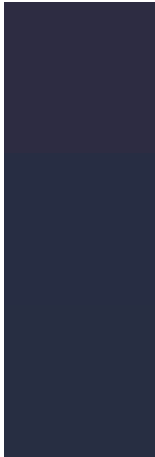


This preview shows how white text looks on a background with the CIELCh color 19, 15.121, 295.258.

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

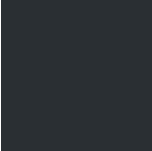
19, 15.121, 295.258

Protanopia

19, 15.186, 285.108

Deuteranopia

19, 13.860, 282.185



Tritanopia
19, 3.489, 251.104

Trichromacy



Original Color
19, 15.121, 295.258

Protanomaly
19, 15.113, 287.888

Deuteranomaly
19, 14.439, 287.408

Tritanomaly
19, 6.945, 281.129

Monochromacy



Original Color
19, 15.121, 295.258

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 5.483, 291.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 15.121, 295.258 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(45, 44, 66)` looks like.

```
.text, #text, p{  
    color:rgb(45, 44, 66)  
}
```

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(45, 44, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 44, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 15.121, 295.258 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(45, 44, 66) }
```

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

```
.border{ border-color:rgb(45, 44, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 44, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 44, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 44, 66);  
box-shadow:4px 4px 4px 4px rgb(45, 44, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 15.121, 295.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 44, 66) }
```

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

```
.background{ background-color: rgb(45, 44,  
66) }
```

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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