

Converting Colors

CIE LCh(19, 26.201, 323.695)

Have a look what the booklet for
CIELCh(19, 26.201, 323.695)
contains.

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Color

CIELCh(19, 25.932, 323.225)

Conversions

Conversions Part 1

Format	Color
Hex	412345
RGB	65, 35, 69
RGB Percent	25%, 14%, 27%
CMY	0.7454, 0.8631, 0.7297
CMYK	0.06, 0.49, 0.00, 0.73
HSL	293°, 33%, 20%
HSV	293°, 49%, 27%
XYZ	3.8444, 2.7468, 5.9439
YIQ	47.8460, 6.9660, 16.9340

Conversions

Conversions Part 2

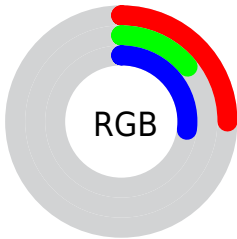
Format	Color
RYB	65, 35, 69
Decimal	4268869
CIELab	19.00, 20.77, -15.52
CIElCh	19, 25.932, 323.225
Yxy	2.7468, 0.3067, 0.2191
Android (android.graphics.Color)	4282458949 (0xFF412345)
YUV	47.8460, 10.4289, 15.0441
Hunter-Lab	16.5735, 12.4017, -9.6623




Details

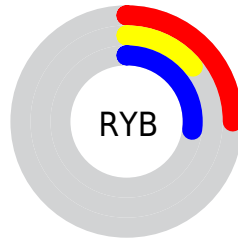
The CIELCh color **19, 25.932, 323.225** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 25.721, 138.397**, and the grayscale version is **20, 0.004, 296.813**.




A 20% lighter version of the original color is **39, 25.476, 323.616**, and **2, 15.887, 319.697** is the 20% darker color. If you saturate the color by 10%, you get **17, 30.770, 323.552**, and if you desaturate by 10%, it is **21, 20.809, 322.850**.

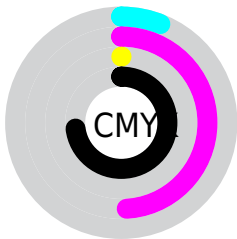
Distribution







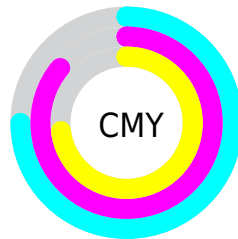
-  Red (25%)
-  Green (14%)
-  Blue (27%)






-  Red (25%)
-  Yellow (14%)
-  Blue (27%)



-  Cyan (6%)
-  Magenta (49%)
-  Yellow (0%)
-  Black (73%)





-  Cyan (75%)
-  Magenta (86%)
-  Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 25.932, 323.225 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, 25.932, 323.225 by changing the saturation by 10% instead.

 19, 25.932,
323.225


 19, 25.932,
323.225


 100, 25.932,
323.225


 9, 25.932, 323.225


 39, 25.932,
323.225

 0, 25.932, 323.225

 49, 25.932,
323.225


 59, 25.932,
323.225


 69, 25.932,
323.225


 79, 25.932,
323.225


 89, 25.932,


323.225


 99, 25.932,
323.225


 19, 25.932,
323.225

 19, 25.932,
323.225


 17, 30.770,
323.552


 21, 20.809,
322.850

 16, 35.166,
323.810


 23, 15.535,
322.443

 14, 38.942,
323.977

 25, 10.207,
322.019

 13, 42.015,
324.045

 27, 4.897, 321.584

 12, 45.183,
324.149

 29, 0.346, 141.498

 32, 5.491, 140.798

■ 12, 45.409,
324.159

■ 34, 10.520,
140.397

■ 36, 15.421,
140.020

■ 38, 20.192,
139.666

Harmonies

Complementary

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



19, 25.932, 323.225



26, 25.721, 138.397

Rectangle

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



19, 25.932, 323.225



19, 25.932, 13.225



19, 25.932, 143.225



19, 25.932, 193.225

Sweetspot

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



19, 25.931, 323.225



34, 9.800, 321.859



17, 20.513, 290.748



16, 6.748, 321.902



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, 25.931, 323.225



23, 37.787, 323.611



19, 20.793, 340.790



13, 3.012, 321.553



20, 58.385, 323.942



49, 106.742, 323.632

Inverse Universe

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



18, 17.310, 15.151



22, 26.123, 17.508



26, 20.380, 153.016



13, 1.820, 10.275



19, 47.096, 30.781



47, 90.479, 35.534

Previews

White Background



This preview shows how the CIE LCh color 19, 25.932, 323.225 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, 25.932, 323.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

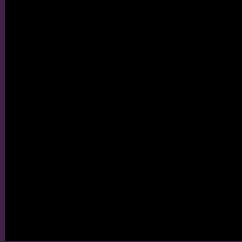
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 25.932, 323.225

Background



This preview shows how black text looks on a background with the CIELCh color 19, 25.932, 323.225.



This preview shows how white text looks on a background with the CIELCh color 19, 25.932, 323.225.

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, 25.932, 323.225

Protanopia

19, 22.058, 283.979

Deuteranopia

19, 14.522, 282.951



Tritanopia
19, 10.530, 10.860

Trichromacy



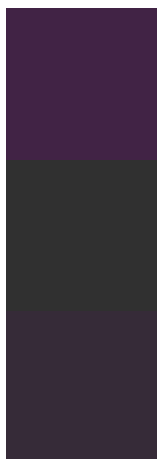
Original Color
19, 25.932, 323.225

Protanomaly
19, 22.701, 298.160

Deuteranomaly
19, 18.087, 301.883

Tritanomaly
19, 14.538, 342.257

Monochromacy



Original Color
19, 25.932, 323.225

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 10.218, 321.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 25.932, 323.225 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(65, 35, 69)` looks like.

```
.text, #text, p{  
    color:rgb(65, 35, 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(65, 35, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 35, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 25.932, 323.225 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(65, 35, 69) }
```

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

```
.border{ border-color:rgb(65, 35, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 35, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 35, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 35, 69);  
box-shadow:4px 4px 4px 4px rgb(65, 35, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 25.932, 323.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 35, 69) }
```

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

```
.background{ background-color: rgb(65, 35,  
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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