

Converting Colors

CIELCh(17, 38.326, 318.829)

Have a look what the booklet for
CIELCh(17, 38.326, 318.829)
contains.

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Color

CIELCh(17, 38.353, 318.842)

Conversions

Conversions Part 1

Format	Color
Hex	3F184E
RGB	63, 24, 78
RGB Percent	25%, 9%, 31%
CMY	0.7510, 0.9041, 0.6922
CMYK	0.19, 0.69, 0.00, 0.69
HSL	283°, 52%, 20%
HSV	283°, 69%, 31%
XYZ	3.8099, 2.3023, 7.5423
YIQ	41.8170, 5.9100, 25.0620

Conversions

Conversions Part 2

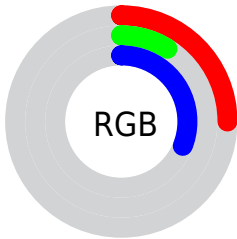
Format	Color
RYB	63, 24, 78
Decimal	4134990
CIELab	17.00, 28.88, -25.24
CIElCh	17, 38.353, 318.842
Yxy	2.3023, 0.2790, 0.1686
Android (android.graphics.Color)	4282325070 (0xFF3F184E)
YUV	41.8170, 17.8382, 18.5775
Hunter-Lab	15.1734, 18.2657, -18.8501




Details

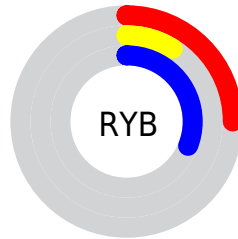
The CIELCh color **17, 38.353, 318.842** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29, 36.983, 133.195**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **37, 38.226, 319.263**, and **2, 19.945, 303.767** is the 20% darker color. If you saturate the color by 10%, you get **15, 42.828, 318.944**, and if you desaturate by 10%, it is **19, 33.271, 318.616**.

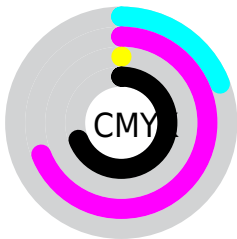
Distribution







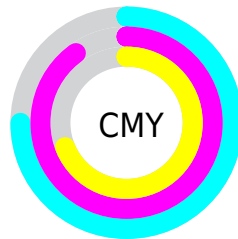
-  Red (25%)
-  Green (9%)
-  Blue (31%)






-  Red (25%)
-  Yellow (9%)
-  Blue (31%)



-  Cyan (19%)
-  Magenta (69%)
-  Yellow (0%)
-  Black (69%)



-  Cyan (75%)
-  Magenta (90%)
-  Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 38.353, 318.842 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 17, 38.353, 318.842 by changing the saturation by 10% instead.

■ 17, 38.353,
318.842

■ 17, 38.353,
318.842

■ 100, 38.353,
318.842

■ 7, 38.353, 318.842

■ 37, 38.353,
318.842

■ 0, 38.353, 318.842

■ 47, 38.353,
318.842

■ 57, 38.353,
318.842

■ 67, 38.353,
318.842


■ 77, 38.353,
318.842


■ 87, 38.353,


318.842


 97, 38.353,
318.842


 17, 38.353,
318.842


 17, 38.353,
318.842


 15, 42.828,
318.944


 19, 33.271,
318.616


 14, 46.477,
318.881


 21, 27.804,
318.305

 12, 50.099,
318.867

 24, 22.127,
317.943

 12, 50.558,
318.878

 26, 16.369,
317.554

 29, 10.619,
317.155

■ 31, 4.937, 316.754

■ 34, 0.642, 136.546

■ 36, 6.095, 136.055

■ 39, 11.412,
135.713

Harmonies

Complementary

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



17, 38.353, 318.842



29, 36.983, 133.195

Rectangle

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



17, 38.353, 318.842



17, 38.353, 8.842



17, 38.353, 138.842



17, 38.353, 188.842

Sweetspot

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



17, 38.352, 318.842



37, 14.743, 317.272



17, 27.018, 287.165



17, 9.863, 317.326



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



17, 38.352, 318.842



20, 54.579, 318.915



19, 33.984, 335.503



14, 3.054, 316.746



17, 60.697, 318.574



44, 110.205, 317.957

Inverse Universe

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



18, 27.095, 7.352



22, 39.038, 12.645



29, 34.487, 144.918



14, 2.044, 358.192



20, 44.405, 19.588



48, 82.346, 23.983

Previews

White Background



This preview shows how the CIE LCh color 17, 38.353, 318.842 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 CIE LCh color 17, 38.353, 318.842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

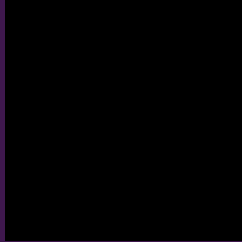
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 38.353, 318.842

Background



This preview shows how black text looks on a background with the CIELCh color 17, 38.353, 318.842.



This preview shows how white text looks on a background with the CIELCh color 17, 38.353, 318.842.

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

17, 38.353, 318.842

Protanopia

17, 32.961, 283.638

Deuteranopia

18, 22.335, 274.503



Tritanopia
17, 10.689, 11.097

Trichromacy



Original Color
17, 38.353, 318.842

Protanomaly
16, 34.887, 293.512

Deuteranomaly
16, 27.173, 294.108

Tritanomaly
17, 19.462, 333.723

Monochromacy



Original Color
17, 38.353, 318.842

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 14.646, 318.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 38.353, 318.842 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(63, 24, 78)` looks like.

```
.text, #text, p{  
    color:rgb(63, 24, 78)  
}
```

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(63, 24, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 24, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 38.353, 318.842 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(63, 24, 78) }
```

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

```
.border{ border-color:rgb(63, 24, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 24, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 24, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 24, 78);  
box-shadow:4px 4px 4px 4px rgb(63, 24, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 38.353, 318.842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 24, 78) }
```

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

```
.background{ background-color: rgb(63, 24,  
78) }
```

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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