

Converting Colors

CIELCh(18, 38.233, 318.435)

Have a look what the booklet for
CIELCh(18, 38.233, 318.435)
contains.

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Color

CIELCh(18, 38.220, 318.231)

Conversions

Conversions Part 1

Format	Color
Hex	411B51
RGB	65, 27, 81
RGB Percent	25%, 11%, 32%
CMY	0.7444, 0.8935, 0.6817
CMYK	0.20, 0.67, 0.00, 0.68
HSL	282°, 50%, 21%
HSV	282°, 67%, 32%
XYZ	4.0792, 2.5180, 8.0900
YIQ	44.5180, 5.3140, 24.8500

Conversions

Conversions Part 2

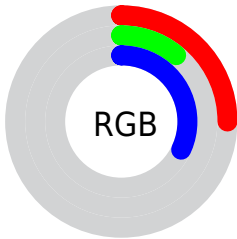
Format	Color
R_{YB}	65, 27, 81
Decimal	4266833
CIE _{Lab}	18.00, 28.51, -25.46
CIE _{LCh}	18, 38.220, 318.231
Yxy	2.5180, 0.2777, 0.1714
Android (android.graphics.Color)	4282456913 (0xFF411B51)
YUV	44.5180, 17.9856, 17.9627
Hunter-Lab	15.8683, 18.1162, -19.1195

Details

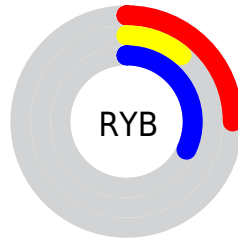
The CIELCh color **18, 38.220, 318.231** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **31, 36.714, 132.777**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 38.492, 318.301**, and **3, 23.026, 309.178** is the 20% darker color. If you saturate the color by 10%, you get **16, 43.004, 318.365**, and if you desaturate by 10%, it is **20, 32.872, 317.979**.

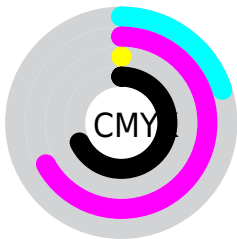
Distribution



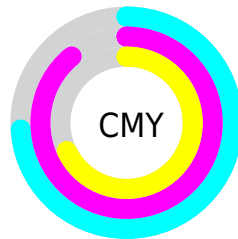
- Red (25%)
- Green (11%)
- Blue (32%)



- Red (25%)
- Yellow (11%)
- Blue (32%)



- Cyan (20%)
- Magenta (67%)
- Yellow (0%)
- Black (68%)



- Cyan (74%)
- Magenta (89%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 38.220, 318.231 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 18, 38.220, 318.231 by changing the saturation by 10% instead.

■ 18, 38.220,
318.231

■ 18, 38.220,
318.231

■ 100, 38.220,
318.231

■ 8, 38.220, 318.231

■ 38, 38.220,
318.231

■ 0, 38.220, 318.231

■ 48, 38.220,
318.231


■ 58, 38.220,
318.231


■ 68, 38.220,
318.231


■ 78, 38.220,
318.231


■ 88, 38.220,


318.231


 98, 38.220,
318.231


 18, 38.220,
318.231


 18, 38.220,
318.231


 16, 43.004,
318.365


 20, 32.872,
317.979


 14, 46.976,
318.332

 22, 27.182,
317.650

 13, 50.537,
318.253

 25, 21.320,
317.275

 12, 51.896,
318.272

 28, 15.407,
316.879

 30, 9.526, 316.478

■ 33, 3.730, 316.074

■ 35, 1.950, 135.777

■ 38, 7.496, 135.390

■ 41, 12.899,
135.059

Harmonies

Complementary

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



18, 38.220, 318.231



31, 36.714, 132.777

Rectangle

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



18, 38.220, 318.231



18, 38.220, 8.231



18, 38.220, 138.231



18, 38.220, 188.231

Sweetspot

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



18, 38.219, 318.231



38, 14.255, 316.644



18, 26.164, 285.559



18, 9.817, 316.710



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



18, 38.219, 318.231



21, 54.327, 318.368



20, 34.389, 334.644



15, 3.211, 316.165



18, 61.962, 317.971



44, 111.514, 317.347

Inverse Universe

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



19, 27.047, 5.430



23, 38.676, 10.097



30, 34.847, 144.640



15, 2.180, 356.897



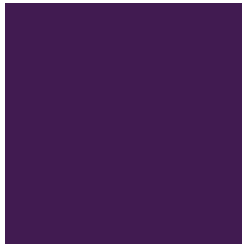
20, 44.893, 18.135



49, 82.221, 22.369

Previews

White Background



This preview shows how the CIE LCh color 18, 38.220, 318.231 looks on a white background.

Color Contrast Check

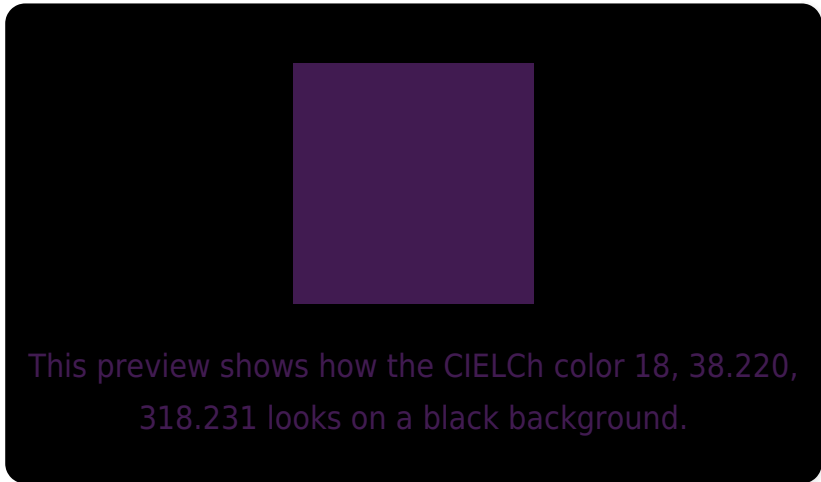
Large Text (above 18pt) WCAG AA ✓ Pass

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

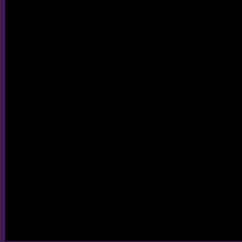
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 38.220, 318.231

Background



This preview shows how black text looks on a background with the CIELCh color 18, 38.220, 318.231.



This preview shows how white text looks on a background with the CIELCh color 18, 38.220, 318.231.

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

18, 38.220, 318.231

Protanopia

18, 34.100, 283.797

Deuteranopia

18, 23.415, 276.979



Tritanopia
18, 10.111, 10.277

Trichromacy



Original Color
18, 38.220, 318.231

Protanomaly
17, 35.349, 293.069

Deuteranomaly
17, 27.651, 294.711

Tritanomaly
18, 18.359, 332.643

Monochromacy



Original Color
18, 38.220, 318.231

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 14.350, 316.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 38.220, 318.231 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, 27, 81)` looks like.

```
.text, #text, p{  
    color:rgb(65, 27, 81)  
}
```

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, 27, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 27, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 38.220, 318.231 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, 27, 81) }
```

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

```
.border{ border-color:rgb(65, 27, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 27, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 27, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 27, 81);  
box-shadow:4px 4px 4px 4px rgb(65, 27, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 38.220, 318.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 27, 81) }
```

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

```
.background{ background-color: rgb(65, 27,  
81) }
```

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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