

Converting Colors

CIELCh(18, 32.785, 338.628)

Have a look what the booklet for
CIELCh(18, 32.785, 338.628)
contains.

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Color

CIELCh(18, 32.619, 338.430)

Conversions

Conversions Part 1

Format	Color
Hex	4D173E
RGB	77, 23, 62
RGB Percent	30%, 9%, 24%
CMY	0.6989, 0.9107, 0.7577
CMYK	0.00, 0.70, 0.20, 0.70
HSL	317°, 54%, 20%
HSV	317°, 70%, 30%
XYZ	4.2083, 2.5180, 4.7920
YIQ	43.5920, 19.6650, 23.5770

Conversions

Conversions Part 2

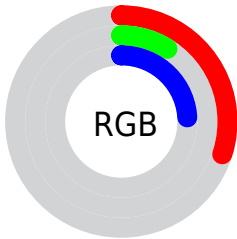
Format	Color
R_{YB}	77, 23, 62
Decimal	5052222
CIE _{Lab}	18.00, 30.33, -11.99
CIE _{LCh}	18, 32.619, 338.430
Yxy	2.5180, 0.3654, 0.2186
Android (android.graphics.Color)	4283242302 (0xFF4D173E)
YUV	43.5920, 9.0751, 29.2988
Hunter-Lab	15.8683, 19.5693, -6.7969

Details

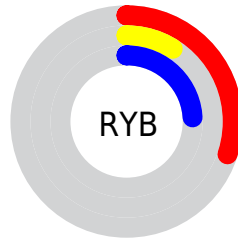
The CIELCh color **18, 32.619, 338.430** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 32.955, 146.809**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 33.048, 338.070**, and **3, 15.875, 346.383** is the 20% darker color. If you saturate the color by 10%, you get **17, 35.650, 339.408**, and if you desaturate by 10%, it is **20, 28.849, 337.553**.

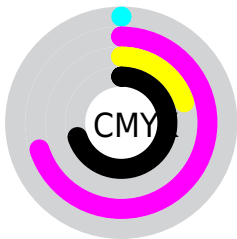
Distribution



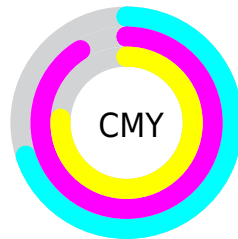
- Red (30%)
- Green (9%)
- Blue (24%)



- Red (30%)
- Yellow (9%)
- Blue (24%)



- Cyan (0%)
- Magenta (70%)
- Yellow (20%)
- Black (70%)





- Cyan (70%)
- Magenta (91%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 32.619, 338.430 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, 32.619, 338.430 by changing the saturation by 10% instead.

 18, 32.619,
338.430


 18, 32.619,
338.430


 100, 32.619,
338.430


 8, 32.619, 338.430


 38, 32.619,
338.430

 0, 32.619, 338.430

 48, 32.619,
338.430


 58, 32.619,
338.430


 68, 32.619,
338.430


 78, 32.619,
338.430

 88, 32.619,


338.430


 98, 32.619,
338.430


 18, 32.619,
338.430


 18, 32.619,
338.430


 17, 35.650,
339.408


 20, 28.849,
337.553


 16, 37.850,
340.509

 21, 24.538,
336.750

 15, 39.966,
341.522

 23, 19.867,
336.001

 26, 14.992,
335.297

 28, 10.030,
334.627

■ 30, 5.068, 333.979

■ 33, 0.163, 332.387

■ 35, 4.648, 152.879

■ 37, 9.344, 152.320

Harmonies

Complementary

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



18, 32.619, 338.430



28, 32.955, 146.809

Rectangle

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



18, 32.619, 338.430



18, 32.619, 28.430



18, 32.619, 158.430



18, 32.619, 208.430

Sweetspot

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



18, 32.618, 338.430



36, 12.844, 334.721



13, 38.320, 306.013



17, 8.769, 334.815



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



18, 32.618, 338.430



22, 44.453, 340.143



17, 27.140, 11.133



14, 2.727, 333.871



21, 48.289, 342.206



51, 86.280, 343.531

Inverse Universe

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



18, 32.618, 338.430



22, 44.453, 340.143



29, 21.276, 173.766



14, 2.727, 333.871



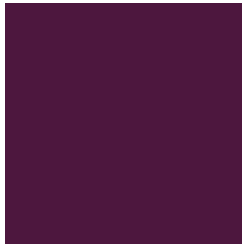
21, 48.289, 342.206



51, 86.280, 343.531

Previews

White Background



This preview shows how the CIE LCh color 18, 32.619, 338.430 looks on a white background.

Color Contrast Check

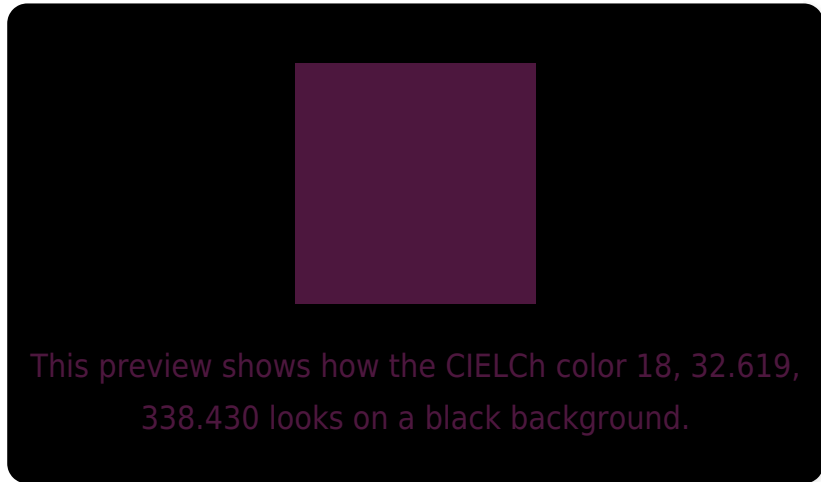
Large Text (above 18pt) WCAG AA ✓ Pass

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

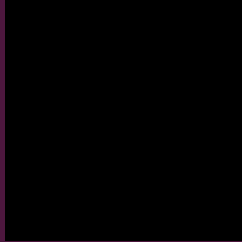
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 32.619, 338.430

Background



This preview shows how black text looks on a background with the CIELCh color 18, 32.619, 338.430.



This preview shows how white text looks on a background with the CIELCh color 18, 32.619, 338.430.

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, 32.619, 338.430

Protanopia

19, 24.198, 285.268

Deuteranopia

19, 9.634, 287.519



Tritanopia
18, 22.313, 22.246

Trichromacy



Original Color
18, 32.619, 338.430

Protanomaly
17, 26.022, 305.087

Deuteranomaly
18, 17.674, 319.736

Tritanomaly
18, 24.070, 2.651

Monochromacy



Original Color
18, 32.619, 338.430

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 13.048, 334.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 32.619, 338.430 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(77, 23, 62)` looks like.

```
.text, #text, p{  
    color:rgb(77, 23, 62)  
}
```

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(77, 23, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 23, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 32.619, 338.430 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(77, 23, 62) }
```

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

```
.border{ border-color:rgb(77, 23, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 23, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 23, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 23, 62);  
box-shadow:4px 4px 4px 4px rgb(77, 23, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 32.619, 338.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 23, 62) }
```

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

```
.background{ background-color: rgb(77, 23,  
62) }
```

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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