

Converting Colors

CIELCh(18, 22.934, 340.741)

Have a look what the booklet for
CIELCh(18, 22.934, 340.741)
contains.

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Color

CIELCh(18, 23.030, 341.423)

Conversions

Conversions Part 1

Format	Color
Hex	451F37
RGB	69, 31, 55
RGB Percent	27%, 12%, 22%
CMY	0.7295, 0.8785, 0.7844
CMYK	0.00, 0.55, 0.20, 0.73
HSL	322°, 38%, 20%
HSV	322°, 55%, 27%
XYZ	3.6301, 2.5180, 3.9054
YIQ	45.0980, 14.9440, 15.5200

Conversions

Conversions Part 2

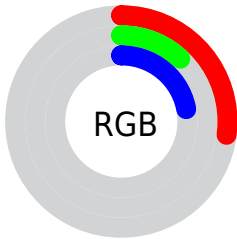
Format	Color
R_{YB}	69, 31, 55
Decimal	4529975
CIE _{Lab}	18.00, 21.83, -7.34
CIE _{LCh}	18, 23.030, 341.423
Yxy	2.5180, 0.3611, 0.2505
Android (android.graphics.Color)	4282720055 (0xFF451F37)
YUV	45.0980, 4.8817, 20.9621
Hunter-Lab	15.8683, 13.0643, -3.4841

Details

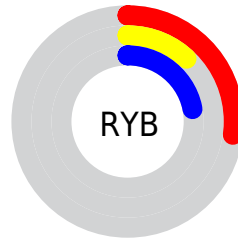
The CIELCh color **18, 23.030, 341.423** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 22.585, 152.431**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 22.980, 341.692**, and **2, 9.316, 353.757** is the 20% darker color. If you saturate the color by 10%, you get **16, 26.631, 342.463**, and if you desaturate by 10%, it is **20, 19.074, 340.497**.

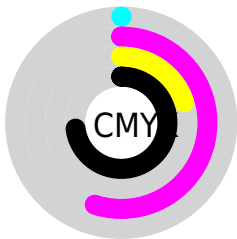
Distribution



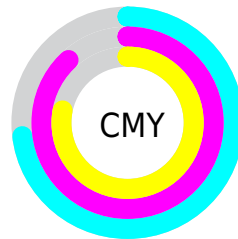
- Red (27%)
- Green (12%)
- Blue (22%)



- Red (27%)
- Yellow (12%)
- Blue (22%)



- Cyan (0%)
- Magenta (55%)
- Yellow (20%)
- Black (73%)



- Cyan (73%)
- Magenta (88%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 23.030, 341.423 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, 23.030, 341.423 by changing the saturation by 10% instead.

■ 18, 23.030,
341.423

■ 18, 23.030,
341.423

■ 100, 23.030,
341.423

■ 8, 23.030, 341.423

■ 38, 23.030,
341.423

■ 0, 23.030, 341.423

■ 48, 23.030,
341.423


■ 58, 23.030,
341.423


■ 68, 23.030,
341.423


■ 78, 23.030,
341.423


■ 88, 23.030,


341.423


 98, 23.030,
341.423


 18, 23.030,
341.423


 18, 23.030,
341.423


 16, 26.631,
342.463


 20, 19.074,
340.497

 15, 29.714,
343.652


 22, 14.909,
339.656

 14, 32.113,
345.045

 24, 10.647,
338.881

 13, 34.228,
346.479

 26, 6.370, 338.156

 12, 35.385,
347.109

 28, 2.133, 337.436

 30, 2.028, 156.974

■ 33, 6.090, 156.331

■ 35, 10.043,
155.768

■ 37, 13.884,
155.242

Harmonies

Complementary

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



18, 23.030, 341.423



26, 22.585, 152.431

Rectangle

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



18, 23.030, 341.423



18, 23.030, 31.423



18, 23.030, 161.423



18, 23.030, 211.423

Sweetspot

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



18, 23.029, 341.424



33, 8.904, 338.340



15, 27.185, 307.475



16, 6.009, 338.394



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



18, 23.029, 341.424



22, 33.104, 342.865



17, 19.499, 15.021



13, 2.409, 337.700



20, 44.980, 348.525



50, 81.041, 350.637

Inverse Universe

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



18, 23.029, 341.424



22, 33.104, 342.865



26, 15.040, 184.201



13, 2.409, 337.700



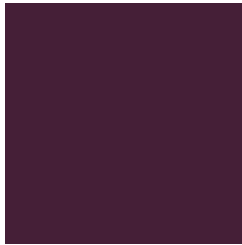
20, 44.980, 348.525



50, 81.041, 350.637

Previews

White Background



This preview shows how the CIELCh color 18, 23.030, 341.423 looks on a white background.

Color Contrast Check

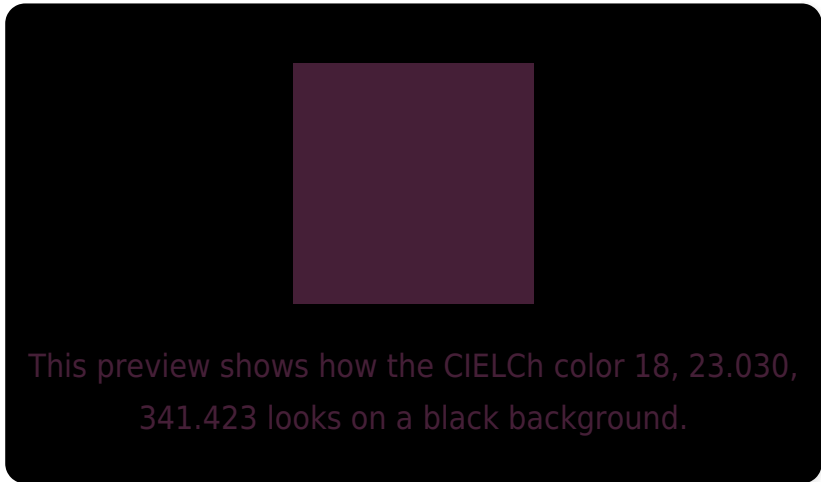
Large Text (above 18pt) WCAG AA ✓ Pass

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

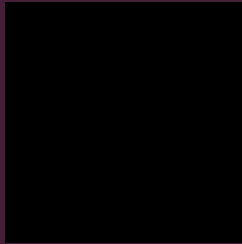
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 23.030, 341.423

Background



This preview shows how black text looks on a background with the CIELCh color 18, 23.030, 341.423.



This preview shows how white text looks on a background with the CIELCh color 18, 23.030, 341.423.

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, 23.030, 341.423

Protanopia

18, 14.564, 284.561

Deuteranopia

18, 6.230, 295.796



Tritanopia
18, 16.417, 19.024

Trichromacy



Original Color
18, 23.030, 341.423

Protanomaly
18, 15.878, 309.094

Deuteranomaly
18, 12.386, 325.717

Tritanomaly
18, 17.665, 1.979

Monochromacy



Original Color
18, 23.030, 341.423

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 9.032, 338.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 23.030, 341.423 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(69, 31, 55)` looks like.

```
.text, #text, p{  
    color:rgb(69, 31, 55)  
}
```

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(69, 31, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 31, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 23.030, 341.423 is called "border". The border property can be set on classes, ids or directly on the HTML element.

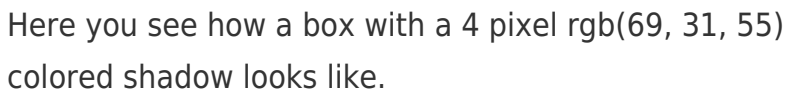
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(69, 31, 55) }
```

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

```
.border{ border-color:rgb(69, 31, 55) }
```

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



Here you see how a box with a 4 pixel `rgb(69, 31, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 31, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 31, 55);  
box-shadow:4px 4px 4px 4px rgb(69, 31, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 23.030, 341.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 31, 55) }
```

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

```
.background{ background-color: rgb(69, 31,  
55) }
```

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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