

Converting Colors

CIELCh(18, 39.986, 337.647)

Have a look what the booklet for
CIELCh(18, 39.986, 337.647)
contains.

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Color

CIELCh(18, 40.100, 337.377)

Conversions

Conversions Part 1

Format	Color
Hex	530D43
RGB	83, 13, 67
RGB Percent	33%, 5%, 26%
CMY	0.6751, 0.9498, 0.7378
CMYK	0.00, 0.85, 0.19, 0.68
HSL	314°, 73%, 19%
HSV	314°, 85%, 32%
XYZ	4.7033, 2.5180, 5.5255
YIQ	40.0860, 24.3860, 31.6340

Conversions

Conversions Part 2

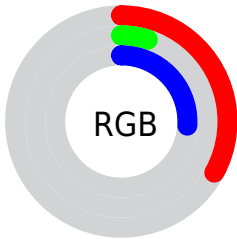
Format	Color
R_{YB}	83, 13, 67
Decimal	5442883
CIE _{Lab}	18.00, 37.01, -15.43
CIE _{LCh}	18, 40.100, 337.377
Yxy	2.5180, 0.3690, 0.1975
Android (android.graphics.Color)	4283632963 (0xFF530D43)
YUV	40.0860, 13.2686, 37.6356
Hunter-Lab	15.8683, 25.1375, -9.5375

Details

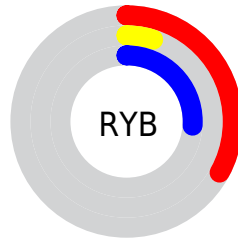
The CIELCh color **18, 40.100, 337.377** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **30, 42.041, 142.931**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 40.300, 337.417**, and **4, 20.829, 343.900** is the 20% darker color. If you saturate the color by 10%, you get **17, 42.188, 338.298**, and if you desaturate by 10%, it is **19, 37.248, 336.517**.

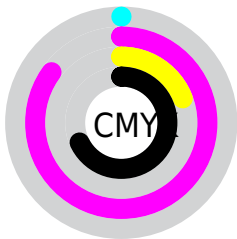
Distribution



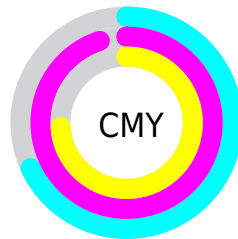
- Red (33%)
- Green (5%)
- Blue (26%)



- Red (33%)
- Yellow (5%)
- Blue (26%)



- Cyan (0%)
- Magenta (85%)
- Yellow (19%)
- Black (68%)





- Cyan (68%)
- Magenta (95%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 40.100, 337.377 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, 40.100, 337.377 by changing the saturation by 10% instead.

 18, 40.100,
337.377

 18, 40.100,
337.377

 100, 40.100,
337.377

 8, 40.100, 337.377


 38, 40.100,
337.377

 0, 40.100, 337.377

 48, 40.100,
337.377


 58, 40.100,
337.377


 68, 40.100,
337.377


 78, 40.100,
337.377

 88, 40.100,


337.377


 98, 40.100,
337.377


 18, 40.100,
337.377


 18, 40.100,
337.377

 17, 42.188,
338.298


 19, 37.248,
336.517

 17, 43.386,
338.773

 21, 33.491,
335.730

 23, 29.027,
334.995

 25, 24.067,
334.298

 27, 18.797,
333.631

■ 29, 13.368,
332.988

■ 32, 7.893, 332.365

■ 34, 2.450, 331.728

■ 37, 2.908, 151.290

Harmonies

Complementary

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



18, 40.100, 337.377



30, 42.041, 142.931

Rectangle

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



18, 40.100, 337.377



18, 40.100, 27.377



18, 40.100, 157.377



18, 40.100, 207.377

Sweetspot

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



18, 40.098, 337.377



38, 16.839, 333.071



10, 49.025, 306.326



17, 11.355, 333.195



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, 40.098, 337.377



23, 51.611, 339.219



17, 33.539, 11.884



15, 2.985, 332.004



22, 50.762, 339.180



52, 90.047, 340.142

Inverse Universe

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



18, 40.098, 337.377



23, 51.611, 339.219



31, 26.800, 167.564



15, 2.985, 332.004



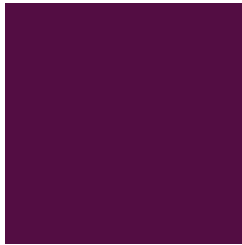
22, 50.762, 339.180



52, 90.047, 340.142

Previews

White Background



This preview shows how the CIE LCh color 18, 40.100, 337.377 looks on a white background.

Color Contrast Check

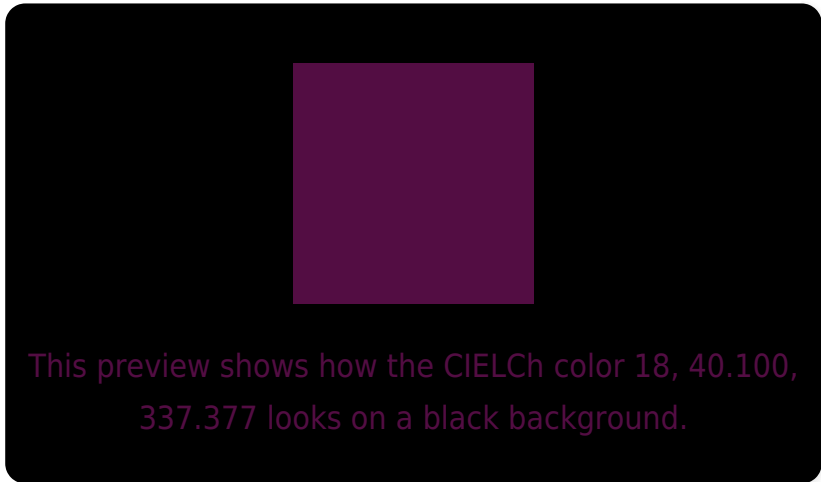
Large Text (above 18pt) WCAG AA ✓ Pass

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

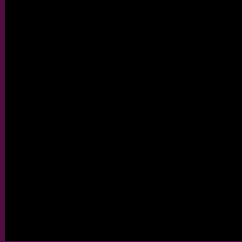
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 40.100, 337.377

Background



This preview shows how black text looks on a background with the CIELCh color 18, 40.100, 337.377.



This preview shows how white text looks on a background with the CIELCh color 18, 40.100, 337.377.

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, 40.100, 337.377

Protanopia

19, 32.366, 285.000

Deuteranopia

19, 11.750, 283.126



Tritanopia
18, 27.063, 24.543

Trichromacy



Original Color
18, 40.100, 337.377

Protanomaly
16, 34.792, 301.826

Deuteranomaly
17, 22.582, 318.524

Tritanomaly
18, 29.460, 2.404

Monochromacy



Original Color
18, 40.100, 337.377

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 18.086, 334.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 40.100, 337.377 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(83, 13, 67)` looks like.

```
.text, #text, p{  
    color:rgb(83, 13, 67)  
}
```

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(83, 13, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 13, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 40.100, 337.377 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(83, 13, 67) }
```

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

```
.border{ border-color:rgb(83, 13, 67) }
```

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

Here you see how a box with a 4 pixel rgb(83, 13, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 13, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 13, 67);  
box-shadow:4px 4px 4px 4px rgb(83, 13, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 40.100, 337.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 13, 67) }
```

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

```
.background{ background-color: rgb(83, 13,  
67) }
```

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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