

Converting Colors

CIELCh(18, 42.751, 344.443)

Have a look what the booklet for
CIELCh(18, 42.751, 344.443)
contains.

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Color

CIELCh(18, 42.720, 344.420)

Conversions

Conversions Part 1

Format	Color
Hex	59023D
RGB	89, 2, 61
RGB Percent	35%, 1%, 24%
CMY	0.6493, 0.9941, 0.7594
CMYK	0.00, 0.98, 0.31, 0.65
HSL	319°, 97%, 18%
HSV	319°, 98%, 35%
XYZ	5.0285, 2.5180, 4.6873
YIQ	34.7390, 32.9130, 36.7930

Conversions

Conversions Part 2

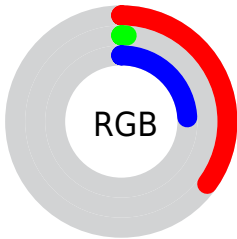
Format	Color
RYB	89, 2, 61
Decimal	5833277
CIELab	18.00, 41.15, -11.47
CIElCh	18, 42.720, 344.420
Yxy	2.5180, 0.4110, 0.2058
Android (android.graphics.Color)	4284023357 (0xFF59023D)
YUV	34.7390, 12.9467, 47.5869
Hunter-Lab	15.8683, 28.7947, -6.4057

Details

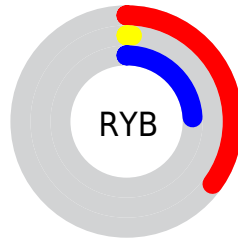
The CIELCh color **18, 42.720, 344.420** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 46.368, 143.613**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 42.218, 344.129**, and **5, 21.413, 357.822** is the 20% darker color. If you saturate the color by 10%, you get **18, 43.058, 344.649**, and if you desaturate by 10%, it is **19, 40.848, 342.992**.

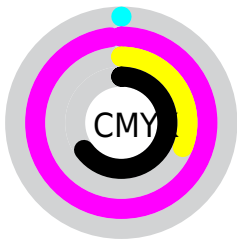
Distribution



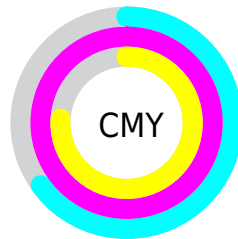
- Red (35%)
- Green (1%)
- Blue (24%)



- Red (35%)
- Yellow (1%)
- Blue (24%)



- Cyan (0%)
- Magenta (98%)
- Yellow (31%)
- Black (65%)





- Cyan (65%)
- Magenta (99%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 42.720, 344.420 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, 42.720, 344.420 by changing the saturation by 10% instead.

 18, 42.720,
344.420


 18, 42.720,
344.420


 100, 42.720,
344.420


 8, 42.720, 344.420


 38, 42.720,
344.420

 0, 42.720, 344.420

 48, 42.720,
344.420


 58, 42.720,
344.420


 68, 42.720,
344.420


 78, 42.720,
344.420


 88, 42.720,


344.420


 98, 42.720,
344.420


 18, 42.720,
344.420


 18, 42.720,
344.420


 18, 43.058,
344.649

 19, 40.848,
342.992

 20, 38.475,
341.641

 22, 35.079,
340.486

 24, 30.857,
339.475

 26, 26.039,
338.569

■ 28, 20.839,
337.741

■ 30, 15.432,
336.972

■ 33, 9.951, 336.251

■ 36, 4.487, 335.557

Harmonies

Complementary

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



18, 42.720, 344.420



33, 46.368, 143.613

Rectangle

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



18, 42.720, 344.420



18, 42.720, 34.420



18, 42.720, 164.420



18, 42.720, 214.420

Sweetspot

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



18, 42.718, 344.421



40, 19.770, 337.096



9, 58.744, 309.094



18, 13.426, 337.301



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



18, 42.718, 344.421



25, 51.791, 345.381



17, 41.404, 25.408



17, 3.092, 335.595



23, 49.433, 345.212



53, 86.080, 346.707

Inverse Universe

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



18, 42.718, 344.421



25, 51.791, 345.381



33, 27.634, 174.155



17, 3.092, 335.595



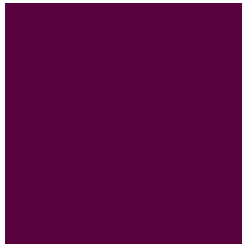
23, 49.433, 345.212



53, 86.080, 346.707

Previews

White Background



This preview shows how the CIELCh color 18, 42.720, 344.420 looks on a white background.

Color Contrast Check

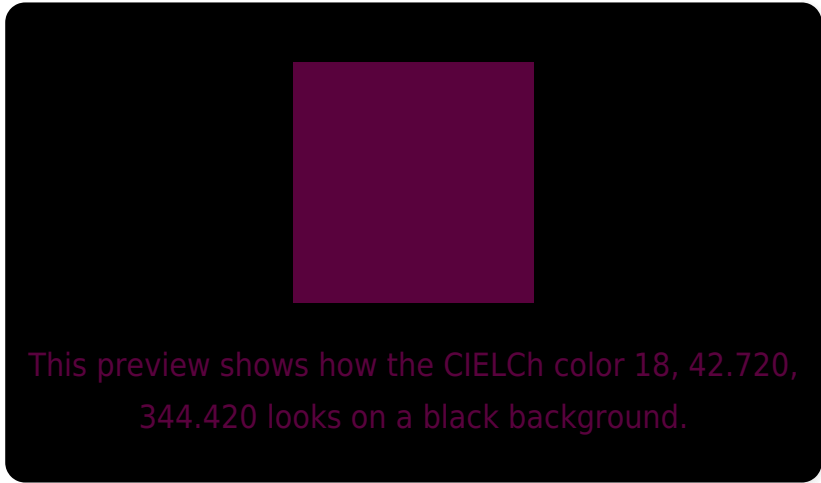
Large Text (above 18pt) WCAG AA ✓ Pass

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

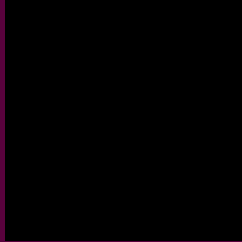
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 42.720, 344.420

Background



This preview shows how black text looks on a background with the CIELCh color 18, 42.720, 344.420.



This preview shows how white text looks on a background with the CIELCh color 18, 42.720, 344.420.

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, 42.402, 344.512

Protanopia

20, 28.061, 285.096

Deuteranopia

20, 6.848, 295.458



Tritanopia
19, 33.006, 28.306

Trichromacy



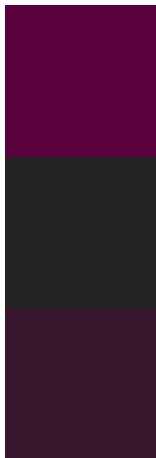
Original Color
18, 42.402, 344.512

Protanomaly
16, 33.867, 309.430

Deuteranomaly
17, 24.046, 330.650

Tritanomaly
18, 34.289, 9.344

Monochromacy



Original Color
18, 42.402, 344.512

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 20.826, 338.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 42.720, 344.420 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(89, 2, 61)` looks like.

```
.text, #text, p{  
    color:rgb(89, 2, 61)  
}
```

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(89, 2, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 2, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 42.720, 344.420 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(89, 2, 61) }
```

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

```
.border{ border-color:rgb(89, 2, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 2, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 2, 61); -webkit-box-shadow:4px  
4px 4px 4px rgb(89, 2, 61); box-shadow:4px  
4px 4px 4px rgb(89, 2, 61) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 42.720, 344.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 2, 61) }
```

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

```
.background{ background-color: rgb(89, 2,  
61) }
```

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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