

Converting Colors

CIE LCh(18, 33.535, 1.512)

Have a look what the booklet for
CIELCh(18, 33.535, 1.512) contains.

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Color

CIELCh(18, 33.793, 1.471)

Conversions

Conversions Part 1

Format	Color
Hex	56102C
RGB	86, 16, 44
RGB Percent	34%, 6%, 17%
CMY	0.6633, 0.9379, 0.8279
CMYK	0.00, 0.82, 0.49, 0.66
HSL	336°, 69%, 20%
HSV	336°, 82%, 34%
XYZ	4.4592, 2.5180, 2.6218
YIQ	40.1220, 32.7320, 23.5480

Conversions

Conversions Part 2

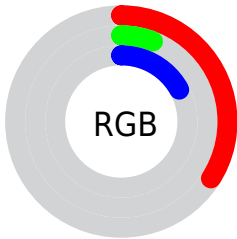
Format	Color
RYB	86, 16, 44
Decimal	5640236
CIELab	18.00, 33.78, 0.87
CIElCh	18, 33.793, 1.471
Yxy	2.5180, 0.4645, 0.2623
Android (android.graphics.Color)	4283830316 (0xFF56102C)
YUV	40.1220, 1.9119, 40.2350
Hunter-Lab	15.8683, 22.3913, 1.3119

Details

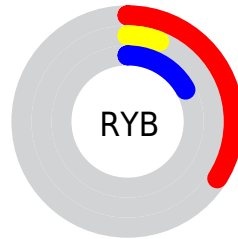
The CIELCh color **18, 33.793, 1.471** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **32, 30.383, 159.888**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 33.657, 1.756**, and **4, 18.543, 18.159** is the 20% darker color. If you saturate the color by 10%, you get **17, 36.143, 4.661**, and if you desaturate by 10%, it is **19, 30.733, 358.864**.

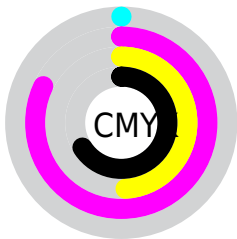
Distribution



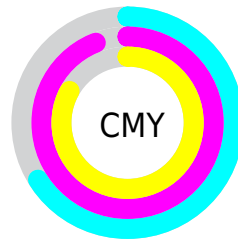
- Red (34%)
- Green (6%)
- Blue (17%)



- Red (34%)
- Yellow (6%)
- Blue (17%)



- Cyan (0%)
- Magenta (82%)
- Yellow (49%)
- Black (66%)



- Cyan (66%)
- Magenta (94%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 33.793, 1.471 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, 33.793, 1.471 by changing the saturation by 10% instead.

 18, 33.793, 1.471  18, 33.793, 1.471

 100, 33.793, 1.471  8, 33.793, 1.471

 38, 33.793, 1.471  0, 33.793, 1.471

 48, 33.793, 1.471

 58, 33.793, 1.471

 68, 33.793, 1.471

 78, 33.793, 1.471

 88, 33.793, 1.471

 98, 33.793, 1.471

 18, 33.793, 1.471  18, 33.793, 1.471

■ 17, 36.143, 4.661

■ 19, 30.733,
358.864

■ 16, 38.214, 7.243

■ 21, 27.041,
356.757

■ 23, 22.902,
355.028

■ 26, 18.497,
353.583

■ 28, 13.978,
352.348

■ 31, 9.455, 351.271

■ 33, 5.001, 350.306

■ 36, 0.663, 349.149

■ 39, 3.537, 168.819

Harmonies

Complementary

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



18, 33.793, 1.471



32, 30.383, 159.888

Rectangle

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



18, 33.793, 1.471



18, 33.793, 51.471



18, 33.793, 181.471



18, 33.793, 231.471

Sweetspot

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



18, 33.791, 1.472



39, 13.181, 351.609



15, 47.426, 314.822



18, 8.976, 351.840



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



18, 33.791, 1.472



23, 45.641, 8.349



18, 35.707, 35.194



16, 2.434, 350.049



21, 44.625, 8.788



50, 79.755, 12.509

Inverse Universe

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



18, 33.791, 1.472



23, 45.641, 8.349



31, 19.266, 208.120



16, 2.434, 350.049



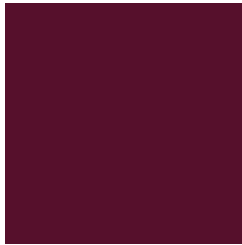
21, 44.625, 8.788



50, 79.755, 12.509

Previews

White Background



This preview shows how the CIE LCh color 18, 33.793, 1.471 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, 33.793, 1.471

Background



This preview shows how black text looks on a background with the CIELCh color 18, 33.793, 1.471.



This preview shows how white text looks on a background with the CIELCh color 18, 33.793, 1.471.

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, 33.793, 1.471

Protanopia

19, 9.687, 282.640

Deuteranopia

19, 4.938, 44.635



Tritanopia
18, 33.191, 28.732

Trichromacy



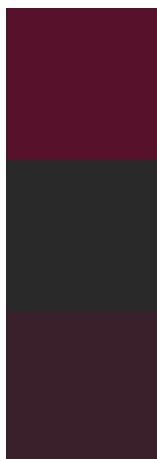
Original Color
18, 33.793, 1.471

Protanomaly
17, 16.618, 331.772

Deuteranomaly
18, 16.063, 4.193

Tritanomaly
18, 32.222, 18.325

Monochromacy



Original Color
18, 33.793, 1.471

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 14.334, 354.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 33.793, 1.471 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(86, 16, 44)` looks like.

```
.text, #text, p{  
    color:rgb(86, 16, 44)  
}
```

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(86, 16, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 16, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 33.793, 1.471 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(86, 16, 44) }
```

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

```
.border{ border-color:rgb(86, 16, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 16, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 16, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 16, 44);  
box-shadow:4px 4px 4px 4px rgb(86, 16, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 33.793, 1.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 16, 44) }
```

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

```
.background{ background-color: rgb(86, 16,  
44) }
```

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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