

Converting Colors

CIE LCh(17, 32.136, 3.000)

Have a look what the booklet for
CIELCh(17, 32.136, 3.000) contains.

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Color

CIELCh(17, 32.197, 2.733)

Conversions

Conversions Part 1

Format	Color
Hex	521029
RGB	82, 16, 41
RGB Percent	32%, 6%, 16%
CMY	0.6795, 0.9384, 0.8401
CMYK	0.00, 0.81, 0.50, 0.68
HSL	337°, 68%, 19%
HSV	337°, 81%, 32%
XYZ	4.0335, 2.3023, 2.3094
YIQ	38.5840, 31.3110, 21.7670

Conversions

Conversions Part 2

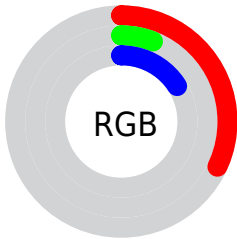
Format	Color
R_{YB}	82, 16, 41
Decimal	5378089
CIE _{Lab}	17.00, 32.16, 1.54
CIE _{LCh}	17, 32.197, 2.733
Yxy	2.3023, 0.4666, 0.2663
Android (android.graphics.Color)	4283568169 (0xFF521029)
YUV	38.5840, 1.1911, 38.0758
Hunter-Lab	15.1734, 20.8964, 1.5976




Details

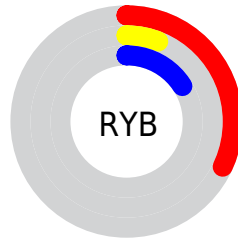
The CIELCh color **17, 32.197, 2.733** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **30, 28.428, 161.424**, and the grayscale version is **15, 0.003, 296.813**.




A 20% lighter version of the original color is **37, 32.340, 2.702**, and **3, 13.904, 17.743** is the 20% darker color. If you saturate the color by 10%, you get **16, 34.621, 5.930**, and if you desaturate by 10%, it is **18, 29.129, 0.120**.

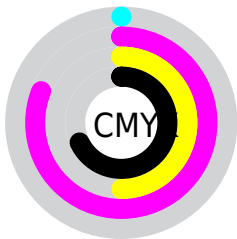
Distribution







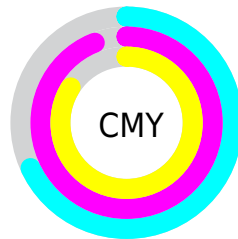
-  Red (32%)
-  Green (6%)
-  Blue (16%)






-  Red (32%)
-  Yellow (6%)
-  Blue (16%)



-  Cyan (0%)
-  Magenta (81%)
-  Yellow (50%)
-  Black (68%)



-  Cyan (68%)
-  Magenta (94%)
-  Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 32.197, 2.733 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 17, 32.197, 2.733 by changing the saturation by 10% instead.

 17, 32.197, 2.733  17, 32.197, 2.733

 100, 32.197, 2.733  7, 32.197, 2.733

 37, 32.197, 2.733  0, 32.197, 2.733

 47, 32.197, 2.733

 57, 32.197, 2.733

 67, 32.197, 2.733

 77, 32.197, 2.733

 87, 32.197, 2.733

 97, 32.197, 2.733

 17, 32.197, 2.733  17, 32.197, 2.733

■ 16, 34.621, 5.930

■ 18, 29.129, 0.120

■ 15, 36.973, 8.722

■ 20, 25.502,
358.006

■ 22, 21.489,
356.270

■ 25, 17.257,
354.819

■ 27, 12.941,
353.581

■ 29, 8.640, 352.502

■ 32, 4.417, 351.534

■ 35, 0.313, 349.993

■ 37, 3.653, 170.053

Harmonies

Complementary

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



17, 32.197, 2.733



30, 28.428, 161.424

Rectangle

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



17, 32.197, 2.733



17, 32.197, 52.733



17, 32.197, 182.733



17, 32.197, 232.733

Sweetspot

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



17, 32.195, 2.735



38, 12.544, 352.927



15, 45.186, 315.777



17, 8.536, 353.150



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



17, 32.195, 2.735



21, 43.944, 9.612



18, 33.249, 36.514



15, 2.282, 351.341



21, 43.956, 10.552



49, 79.492, 14.509

Inverse Universe

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



17, 32.195, 2.735



21, 43.944, 9.612



28, 18.015, 213.203



15, 2.282, 351.341



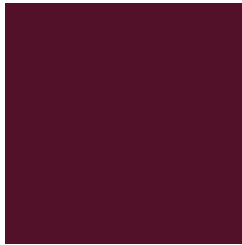
21, 43.956, 10.552



49, 79.492, 14.509

Previews

White Background



This preview shows how the CIE LCh color 17, 32.197, 2.733 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

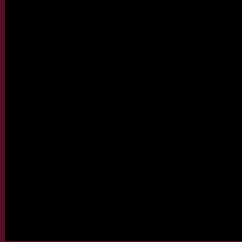
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 32.197, 2.733

Background



This preview shows how black text looks on a background with the CIELCh color 17, 32.197, 2.733.



This preview shows how white text looks on a background with the CIELCh color 17, 32.197, 2.733.

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

17, 32.197, 2.733

Protanopia

18, 8.343, 283.449

Deuteranopia

18, 5.336, 51.087



Tritanopia
17, 31.841, 28.515

Trichromacy



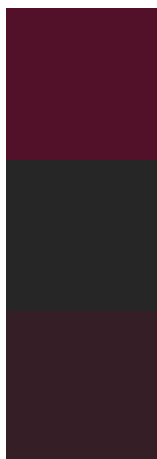
Original Color
17, 32.197, 2.733

Protanomaly
17, 14.944, 335.574

Deuteranomaly
17, 15.595, 6.079

Tritanomaly
17, 31.070, 18.787

Monochromacy



Original Color
17, 32.197, 2.733

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 13.285, 355.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 32.197, 2.733 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(82, 16, 41)` looks like.

```
.text, #text, p{  
    color:rgb(82, 16, 41)  
}
```

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(82, 16, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 16, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 32.197, 2.733 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(82, 16, 41) }
```

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

```
.border{ border-color:rgb(82, 16, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 16, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 16, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 16, 41);  
box-shadow:4px 4px 4px 4px rgb(82, 16, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 32.197, 2.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 16, 41) }
```

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

```
.background{ background-color: rgb(82, 16,  
41) }
```

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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