

Converting Colors

CIELCh(17, 12.987, 53.085)

Have a look what the booklet for
CIELCh(17, 12.987, 53.085) contains.

CIELCh(17, 13.167, 52.575)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(17, 13.167, 52.575)

Conversions

Conversions Part 1

Format	Color
Hex	39251B
RGB	57, 37, 27
RGB Percent	22%, 15%, 11%
CMY	0.7752, 0.8537, 0.8930
CMYK	0.00, 0.35, 0.52, 0.78
HSL	20°, 36%, 17%
HSV	20°, 52%, 22%
XYZ	2.5788, 2.3023, 1.3632
YIQ	41.8400, 15.1300, 1.1300

Conversions

Conversions Part 2

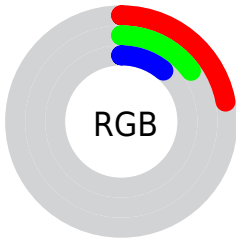
Format	Color
RYB	57, 42, 27
Decimal	3745051
CIELab	17.00, 8.00, 10.46
CIELCh	17, 13.167, 52.575
Yxy	2.3023, 0.4130, 0.3687
Android (android.graphics.Color)	4281935131 (0xFF39251B)
YUV	41.8400, -7.3161, 13.2953
Hunter-Lab	15.1734, 3.7831, 5.2949

Details

The CIELCh color **17, 13.167, 52.575** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 10.079, 241.862**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 13.150, 54.419**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 16.175, 52.170**, and if you desaturate by 10%, it is **18, 10.319, 53.058**.

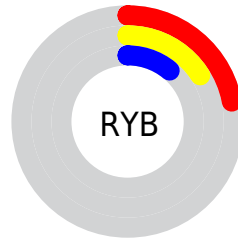
Distribution



Red (22%)

Green (15%)

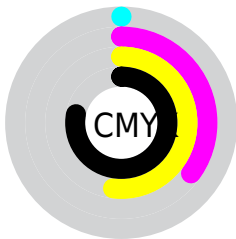
Blue (11%)



Red (22%)

Yellow (16%)

Blue (11%)

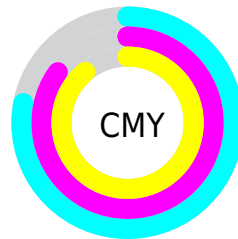


Cyan (0%)

Magenta (35%)

Yellow (52%)

Black (78%)



Cyan (78%)

Magenta (85%)

Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 13.167, 52.575 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, 13.167, 52.575 by changing the saturation by 10% instead.

 17, 13.167, 52.575

 17, 13.167, 52.575

 100, 13.167,
52.575

 7, 13.167, 52.575

 37, 13.167, 52.575

 0, 13.167, 52.575

 47, 13.167, 52.575

 57, 13.167, 52.575

 67, 13.167, 52.575

 77, 13.167, 52.575

 87, 13.167, 52.575

 97, 13.167, 52.575

■ 17, 13.167, 52.575

■ 17, 13.167, 52.575

■ 16, 16.175, 52.170

■ 18, 10.319, 53.058

■ 15, 19.049, 51.164

■ 20, 7.638, 53.596

■ 13, 21.375, 48.907

■ 21, 5.116, 54.182

■ 12, 23.457, 46.542

■ 22, 2.746, 54.788

■ 12, 25.036, 45.200

■ 24, 0.514, 55.139

■ 25, 1.591, 236.350

■ 27, 3.581, 236.981

■ 28, 5.469, 237.666

■ 30, 7.266, 238.359

Harmonies

Complementary

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



17, 13.167, 52.575



18, 10.079, 241.862

Rectangle

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



17, 13.167, 52.575



17, 13.167, 102.575



17, 13.167, 232.575



17, 13.167, 282.575

Sweetspot

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



17, 13.167, 52.580



29, 4.441, 54.526



15, 19.525, 338.487



13, 3.033, 54.491



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



17, 13.167, 52.580



21, 20.415, 52.041



22, 16.459, 96.146



10, 1.189, 55.022



21, 40.736, 49.210



52, 83.198, 48.727

Inverse Universe

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



18, 10.079, 241.862



23, 14.383, 244.701



13, 17.604, 288.500



10, 1.149, 236.422



24, 23.635, 258.155



58, 46.548, 262.702

Previews

White Background



This preview shows how the CIELCh color 17, 13.167, 52.575 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



This preview shows how the CIE LCh color 17, 13.167, 52.575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

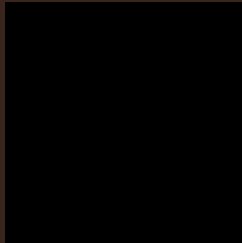
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 13.167, 52.575

Background



This preview shows how black text looks on a background with the CIELCh color 17, 13.167, 52.575.

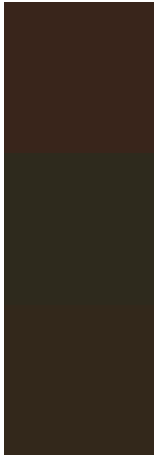


This preview shows how white text looks on a background with the CIELCh color 17, 13.167, 52.575.

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, 13.167, 52.575

Protanopia

17, 9.208, 94.561

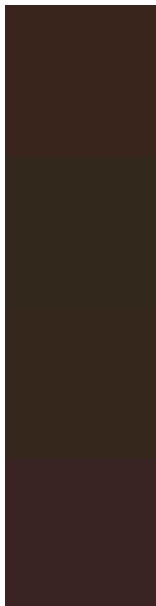
Deuteranopia

17, 10.880, 74.682



Tritanopia
17, 11.233, 11.816

Trichromacy



Original Color
17, 13.167, 52.575

Protanomaly
17, 9.972, 75.418

Deuteranomaly
17, 11.417, 66.298

Tritanomaly
17, 11.460, 25.615

Monochromacy



Original Color
17, 13.167, 52.575

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 4.556, 47.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 13.167, 52.575 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(57, 37, 27)` looks like.

```
.text, #text, p{  
    color:rgb(57, 37, 27)  
}
```

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(57, 37, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 37, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 13.167, 52.575 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(57, 37, 27) }
```

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

```
.border{ border-color:rgb(57, 37, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 37, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 37, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 37, 27);  
box-shadow:4px 4px 4px 4px rgb(57, 37, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 13.167, 52.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 37, 27) }
```

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

```
.background{ background-color: rgb(57, 37,  
27) }
```

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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