

Converting Colors

CIELCh(17, 13.078, 357.768)

Have a look what the booklet for
CIELCh(17, 13.078, 357.768)
contains.

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Color

CIELCh(17, 12.855, 357.670)

Conversions

Conversions Part 1

Format	Color
Hex	3B232B
RGB	59, 35, 43
RGB Percent	23%, 14%, 17%
CMY	0.7688, 0.8629, 0.8315
CMYK	0.00, 0.41, 0.27, 0.77
HSL	340°, 26%, 18%
HSV	340°, 41%, 23%
XYZ	2.8362, 2.3023, 2.5766
YIQ	43.0880, 11.7360, 7.5760

Conversions

Conversions Part 2

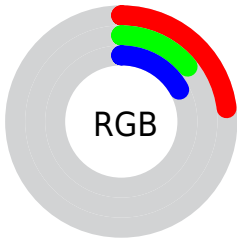
Format	Color
R_{YB}	59, 35, 43
Decimal	3875627
CIE Lab	17.00, 12.84, -0.52
CIE LCh	17, 12.855, 357.670
Yxy	2.3023, 0.3676, 0.2984
Android (android.graphics.Color)	4282065707 (0xFF3B232B)
YUV	43.0880, -0.0434, 13.9548
Hunter-Lab	15.1734, 6.8120, 0.5535

Details

The CIELCh color **17, 12.855, 357.670** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 11.726, 170.143**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 12.695, 358.709**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 16.081, 359.064**, and if you desaturate by 10%, it is **19, 9.605, 356.479**.

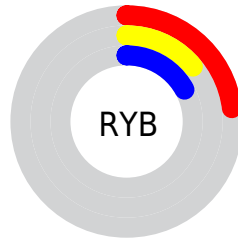
Distribution



Red (23%)

Green (14%)

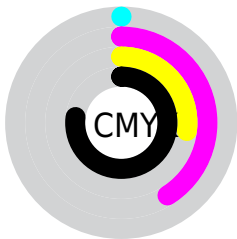
Blue (17%)



Red (23%)

Yellow (14%)

Blue (17%)

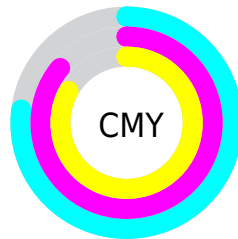


Cyan (0%)

Magenta (41%)

Yellow (27%)

Black (77%)



Cyan (77%)

Magenta (86%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 12.855, 357.670 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, 12.855, 357.670 by changing the saturation by 10% instead.

■ 17, 12.855,
357.670

■ 17, 12.855,
357.670

■ 100, 12.855,
357.670

■ 7, 12.855, 357.670

■ 37, 12.855,
357.670

■ 0, 12.855, 357.670

■ 47, 12.855,
357.670

■ 57, 12.855,
357.670

■ 67, 12.855,
357.670

■ 77, 12.855,
357.670

■ 87, 12.855,

357.670

97, 12.855,
357.670

17, 12.855,
357.670

17, 12.855,
357.670

15, 16.081,
359.064

19, 9.605, 356.479

14, 19.205, 0.716

21, 6.392, 355.437

12, 22.123, 2.709

23, 3.254, 354.498

11, 24.721, 5.144

25, 0.211, 352.814

10, 27.152, 7.756

27, 2.724, 173.089

9, 29.730, 9.088

29, 5.549, 172.389

31, 8.265, 171.770

■ 33, 10.877,
171.206

■ 35, 13.391,
170.686

Harmonies

Complementary

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



17, 12.855, 357.670



23, 11.726, 170.143

Rectangle

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



17, 12.855, 357.670



17, 12.855, 47.670



17, 12.855, 177.670



17, 12.855, 227.670

Sweetspot

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



17, 12.854, 357.672



30, 4.549, 354.668



17, 18.023, 315.646



13, 2.962, 354.679



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, 12.854, 357.672



21, 19.318, 359.149



18, 10.990, 34.604



10, 1.735, 354.295



18, 41.195, 14.033



47, 78.044, 18.785

Inverse Universe

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



17, 12.854, 357.672



21, 19.318, 359.149



22, 8.522, 214.652



10, 1.735, 354.295



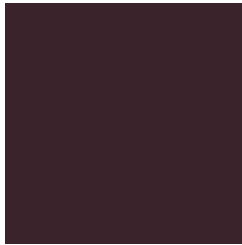
18, 41.195, 14.033



47, 78.044, 18.785

Previews

White Background



This preview shows how the CIE LCh color 17, 12.855, 357.670 looks on a white background.

Color Contrast Check

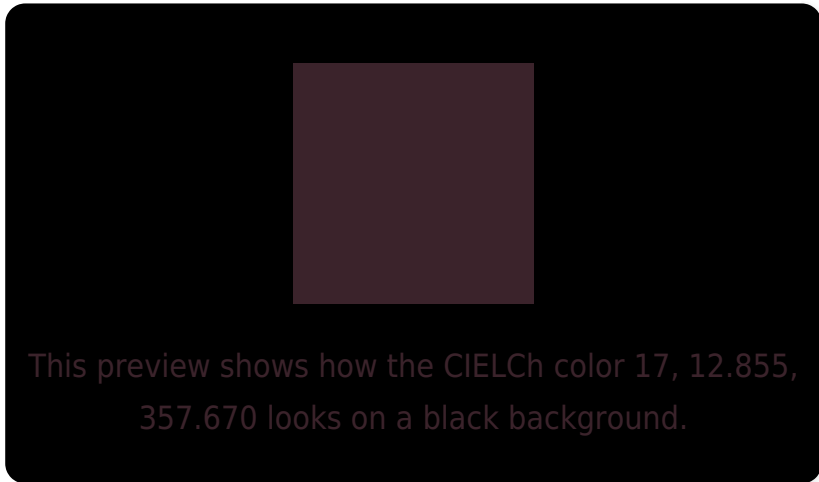
Large Text (above 18pt) WCAG AA ✓ Pass

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

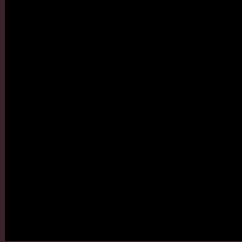
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 12.855, 357.670

Background



This preview shows how black text looks on a background with the CIELCh color 17, 12.855, 357.670.



This preview shows how white text looks on a background with the CIELCh color 17, 12.855, 357.670.

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, 12.855, 357.670

Protanopia

17, 3.476, 291.078

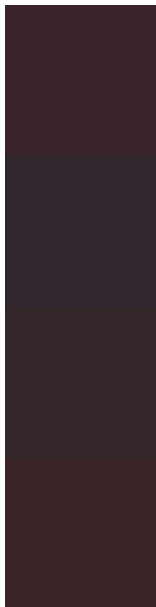
Deuteranopia

17, 2.523, 4.006



Tritanopia
17, 11.736, 15.760

Trichromacy



Original Color
17, 12.855, 357.670

Protanomaly
17, 6.482, 332.291

Deuteranomaly
17, 6.226, 1.515

Tritanomaly
17, 11.782, 9.107

Monochromacy



Original Color
17, 12.855, 357.670

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 4.833, 355.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 12.855, 357.670 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(59, 35, 43)` looks like.

```
.text, #text, p{  
    color:rgb(59, 35, 43)  
}
```

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(59, 35, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 35, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 12.855, 357.670 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(59, 35, 43) }
```

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

```
.border{ border-color:rgb(59, 35, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 35, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 35, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 35, 43);  
box-shadow:4px 4px 4px 4px rgb(59, 35, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 12.855, 357.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 35, 43) }
```

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

```
.background{ background-color: rgb(59, 35,  
43) }
```

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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