

Converting Colors

CIELCh(17, 7.411, 343.581)

Have a look what the booklet for
CIELCh(17, 7.411, 343.581) contains.

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Color

CIELCh(17, 7.887, 343.433)

Conversions

Conversions Part 1

Format	Color
Hex	33262D
RGB	51, 38, 45
RGB Percent	20%, 15%, 18%
CMY	0.7991, 0.8501, 0.8226
CMYK	0.00, 0.25, 0.12, 0.80
HSL	328°, 15%, 18%
HSV	328°, 25%, 20%
XYZ	2.5561, 2.3023, 2.8160
YIQ	42.6850, 5.5010, 4.9330

Conversions

Conversions Part 2

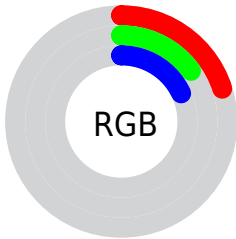
Format	Color
R_{YB}	51, 38, 45
Decimal	3352109
CIE Lab	17.00, 7.56, -2.25
CIE LCh	17, 7.887, 343.433
Yxy	2.3023, 0.3331, 0.3000
Android (android.graphics.Color)	4281542189 (0xFF33262D)
YUV	42.6850, 1.1413, 7.2923
Hunter-Lab	15.1734, 3.5160, -0.3821

Details

The CIELCh color **17, 7.887, 343.433** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 7.715, 159.827**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 8.087, 343.050**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 11.035, 344.269**, and if you desaturate by 10%, it is **19, 4.746, 342.665**.

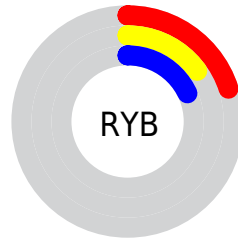
Distribution



Red (20%)

Green (15%)

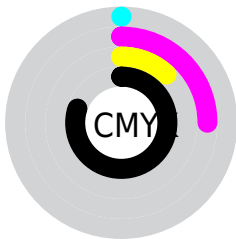
Blue (18%)



Red (20%)

Yellow (15%)

Blue (18%)

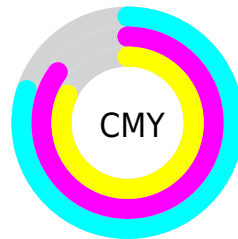


Cyan (0%)

Magenta (25%)

Yellow (12%)

Black (80%)



Cyan (80%)

Magenta (85%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 7.887, 343.433 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, 7.887, 343.433 by changing the saturation by 10% instead.

■ 17, 7.887, 343.433

■ 17, 7.887, 343.433

■ 100, 7.887,
343.433

■ 7, 7.887, 343.433

■ 0, 7.887, 343.433

■ 37, 7.887, 343.433

■ 47, 7.887, 343.433

■ 57, 7.887, 343.433

■ 67, 7.887, 343.433

■ 77, 7.887, 343.433

■ 87, 7.887, 343.433

■ 97, 7.887, 343.433

■ 17, 7.887, 343.433

■ 17, 7.887, 343.433

■ 15, 11.035,
344.269

■ 19, 4.746, 342.665

■ 14, 14.141,
345.190

■ 20, 1.647, 341.908

■ 12, 17.136,
346.222

■ 22, 1.388, 161.463

■ 11, 19.931,
347.399

■ 26, 7.225, 160.209

■ 10, 22.416,
348.767

■ 28, 10.019,
159.676

■ 9, 24.580, 350.306

■ 29, 12.730,
159.176

■ 8, 26.987, 351.583

■ 31, 15.362,
158.707

■ 7, 28.129, 352.112

■ 33, 17.918,
158.266

Harmonies

Complementary

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



17, 7.887, 343.433



20, 7.715, 159.827

Rectangle

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



17, 7.887, 343.433



17, 7.887, 33.433



17, 7.887, 163.433



17, 7.887, 213.433

Sweetspot

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



17, 7.886, 343.435



26, 3.043, 342.146



16, 9.518, 308.366



12, 2.117, 342.187



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



17, 7.886, 343.435



22, 11.600, 343.939



17, 6.531, 17.037



8, 1.686, 342.131



17, 40.149, 355.466



47, 75.494, 358.859

Inverse Universe

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



17, 7.886, 343.435



22, 11.600, 343.939



20, 5.752, 193.880



8, 1.686, 342.131



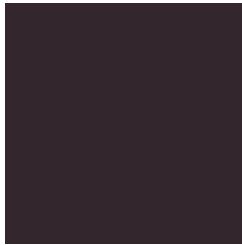
17, 40.149, 355.466



47, 75.494, 358.859

Previews

White Background



This preview shows how the CIELCh color 17, 7.887, 343.433 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, 7.887, 343.433

Background



This preview shows how black text looks on a background with the CIELCh color 17, 7.887, 343.433.

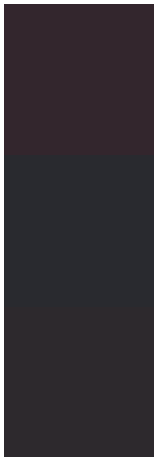


This preview shows how white text looks on a background with the CIELCh color 17, 7.887, 343.433.

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, 7.887, 343.433

Protanopia

17, 3.498, 283.579

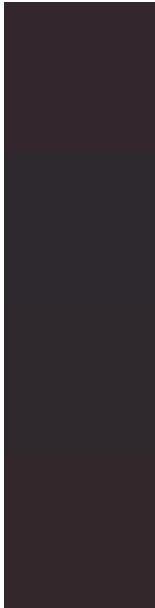
Deuteranopia

17, 3.380, 324.810



Tritanopia
17, 6.226, 1.515

Trichromacy



Original Color

17, 7.887, 343.433

Protanomaly

17, 3.970, 319.184

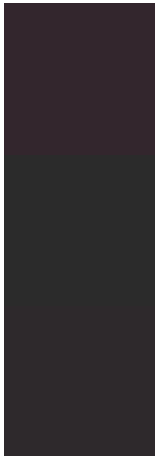
Deuteranomaly

17, 4.826, 334.519

Tritanomaly

17, 6.452, 355.650

Monochromacy



Original Color

17, 7.887, 343.433

Achromatopsia

18, 0.003, 296.813

Achromatomaly

17, 3.181, 339.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 7.887, 343.433 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(51, 38, 45)` looks like.

```
.text, #text, p{  
    color:rgb(51, 38, 45)  
}
```

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(51, 38, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 38, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 7.887, 343.433 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(51, 38, 45) }
```

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

```
.border{ border-color:rgb(51, 38, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 38, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 38, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 38, 45);  
box-shadow:4px 4px 4px 4px rgb(51, 38, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 7.887, 343.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 38, 45) }
```

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

```
.background{ background-color: rgb(51, 38,  
45) }
```

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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