

Converting Colors

CIELCh(17, 7.313, 30.691)

Have a look what the booklet for
CIELCh(17, 7.313, 30.691) contains.

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Color

CIELCh(17, 7.297, 31.820)

Conversions

Conversions Part 1

Format	Color
Hex	352725
RGB	53, 39, 37
RGB Percent	21%, 15%, 15%
CMY	0.7938, 0.8486, 0.8564
CMYK	0.00, 0.27, 0.30, 0.79
HSL	8°, 18%, 17%
HSV	8°, 30%, 21%
XYZ	2.4871, 2.3023, 2.0319
YIQ	42.9580, 8.9860, 2.3460

Conversions

Conversions Part 2

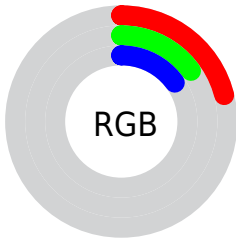
Format	Color
R _Y B	53, 39, 37
Decimal	3483429
CIE Lab	17.00, 6.20, 3.85
CIE LCh	17, 7.297, 31.820
Yxy	2.3023, 0.3646, 0.3375
Android (android.graphics.Color)	4281673509 (0xFF352725)
YUV	42.9580, -2.9373, 8.8068
Hunter-Lab	15.1734, 2.7049, 2.6817

Details

The CIELCh color **17, 7.297, 31.820** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 6.105, 211.271**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 7.200, 30.133**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 10.043, 32.306**, and if you desaturate by 10%, it is **19, 4.725, 31.481**.

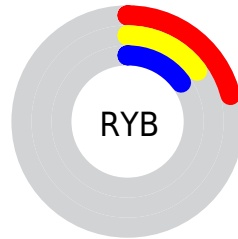
Distribution



Red (21%)

Green (15%)

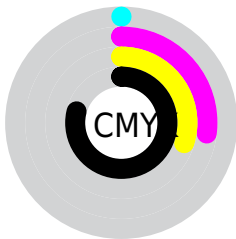
Blue (15%)



Red (21%)

Yellow (15%)

Blue (15%)

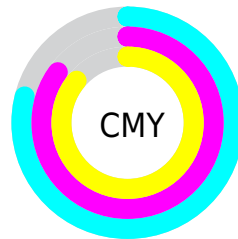


Cyan (0%)

Magenta (27%)

Yellow (30%)

Black (79%)



Cyan (79%)

Magenta (85%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 7.297, 31.820 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, 7.297, 31.820 by changing the saturation by 10% instead.

 17, 7.297, 31.820  17, 7.297, 31.820

 100, 7.297, 31.820  7, 7.297, 31.820

 37, 7.297, 31.820  0, 7.297, 31.820

 47, 7.297, 31.820


 57, 7.297, 31.820

 67, 7.297, 31.820

 77, 7.297, 31.820

 87, 7.297, 31.820

 97, 7.297, 31.820

 17, 7.297, 31.820  17, 7.297, 31.820

15, 10.043, 32.306

19, 4.725, 31.481

14, 12.963, 32.957

20, 2.323, 31.217

13, 16.028, 33.723

22, 0.080, 28.471

11, 18.872, 33.168

24, 2.015, 211.236

10, 21.356, 31.552

25, 3.976, 211.181

9, 23.573, 30.093

27, 5.816, 211.204

8, 25.627, 29.264

29, 7.547, 211.268

30, 9.181, 211.361

32, 10.727,
211.474

Harmonies

Complementary

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



17, 7.297, 31.820



20, 6.105, 211.271

Rectangle

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



17, 7.297, 31.820



17, 7.297, 81.820



17, 7.297, 211.820



17, 7.297, 261.820

Sweetspot

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



17, 7.296, 31.827



27, 2.518, 31.193



17, 12.231, 329.285



13, 1.771, 31.208



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



17, 7.296, 31.827



22, 11.127, 32.173



20, 7.404, 83.594



8, 1.194, 30.982



17, 43.060, 38.124



46, 90.406, 41.451

Inverse Universe

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



20, 6.105, 211.271



26, 8.850, 211.409



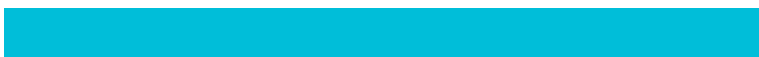
17, 7.239, 270.812



9, 1.145, 211.249



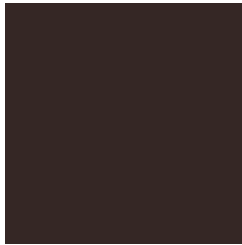
30, 20.526, 217.507



71, 38.847, 219.613

Previews

White Background



This preview shows how the CIELCh color 17, 7.297, 31.820 looks on a white background.

Color Contrast Check

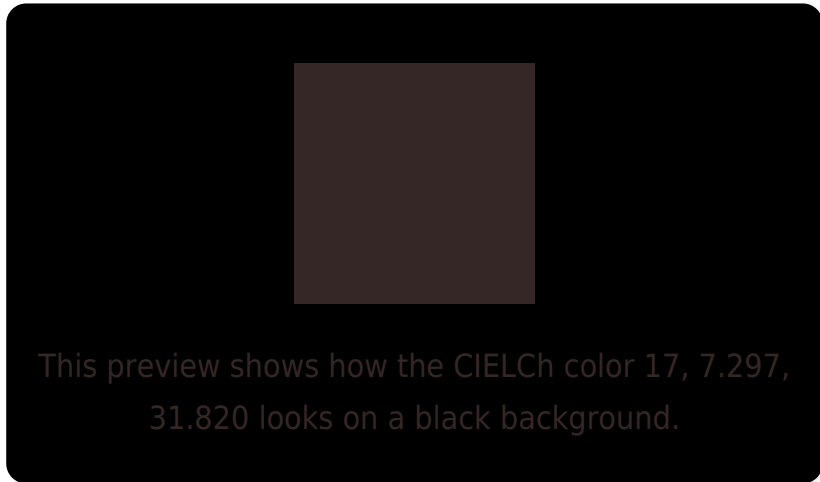
Large Text (above 18pt) WCAG AA ✓ Pass

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

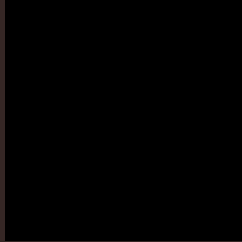
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 7.297, 31.820

Background



This preview shows how black text looks on a background with the CIELCh color 17, 7.297, 31.820.

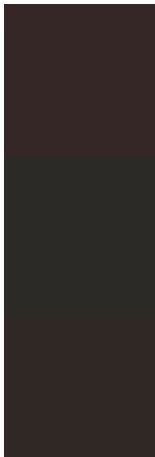


This preview shows how white text looks on a background with the CIELCh color 17, 7.297, 31.820.

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, 7.297, 31.820

Protanopia

17, 2.936, 89.727

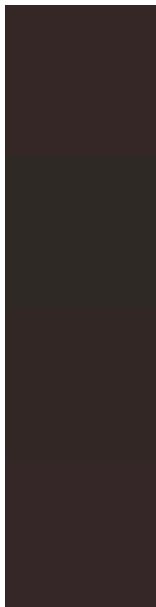
Deuteranopia

17, 4.942, 54.084



Tritanopia
17, 7.687, 5.748

Trichromacy



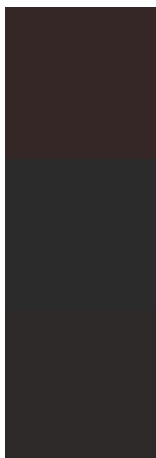
Original Color
17, 7.297, 31.820

Protanomaly
17, 4.106, 62.091

Deuteranomaly
17, 6.016, 40.670

Tritanomaly
17, 7.556, 16.029

Monochromacy



Original Color
17, 7.297, 31.820

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 2.439, 19.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 7.297, 31.820 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(53, 39, 37)` looks like.

```
.text, #text, p{  
    color:rgb(53, 39, 37)  
}
```

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(53, 39, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 39, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 7.297, 31.820 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(53, 39, 37) }
```

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

```
.border{ border-color:rgb(53, 39, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 39, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 39, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 39, 37);  
box-shadow:4px 4px 4px 4px rgb(53, 39, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 7.297, 31.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 39, 37) }
```

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

```
.background{ background-color: rgb(53, 39,  
37) }
```

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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