

Converting Colors

CIELCh(17, 4.911, 17.685)

Have a look what the booklet for
CIELCh(17, 4.911, 17.685) contains.

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Color

CIELCh(17, 4.458, 20.402)

Conversions

Conversions Part 1

Format	Color
Hex	312828
RGB	49, 40, 40
RGB Percent	19%, 16%, 16%
CMY	0.8087, 0.8440, 0.8440
CMYK	0.00, 0.18, 0.18, 0.81
HSL	0°, 10%, 17%
HSV	0°, 18%, 19%
XYZ	2.3869, 2.3023, 2.3070
YIQ	42.6910, 5.3640, 1.9080

Conversions

Conversions Part 2

Format	Color
RYB	49, 40, 40
Decimal	3221544
CIELab	17.00, 4.18, 1.55
CIELCh	17, 4.458, 20.402
Yxy	2.3023, 0.3412, 0.3291
Android (android.graphics.Color)	4281411624 (0xFF312828)
YUV	42.6910, -1.3267, 5.5330
Hunter-Lab	15.1734, 1.5255, 1.6069

Details

The CIELCh color **17, 4.458, 20.402** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 4.040, 198.648**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 4.344, 19.957**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 7.101, 21.188**, and if you desaturate by 10%, it is **19, 1.974, 19.740**.

Distribution



Red (19%)

Green (16%)

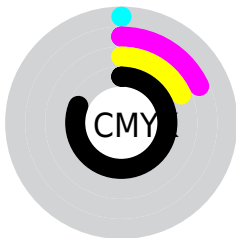
Blue (16%)



Red (19%)

Yellow (16%)

Blue (16%)

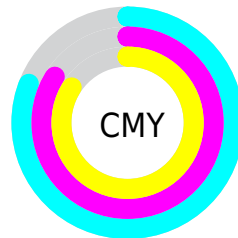


Cyan (0%)

Magenta (18%)

Yellow (18%)

Black (81%)



Cyan (81%)

Magenta (84%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 4.458, 20.402 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, 4.458, 20.402 by changing the saturation by 10% instead.

■ 17, 4.458, 20.402 ■ 17, 4.458, 20.402

■ 100, 4.458, 20.402 ■ 7, 4.458, 20.402

■ 37, 4.458, 20.402 ■ 0, 4.458, 20.402

■ 47, 4.458, 20.402

■ 57, 4.458, 20.402

■ 67, 4.458, 20.402

■ 77, 4.458, 20.402

■ 87, 4.458, 20.402

■ 97, 4.458, 20.402

■ 17, 4.458, 20.402 ■ 17, 4.458, 20.402

15, 7.101, 21.188

19, 1.974, 19.740

14, 9.902, 22.143

21, 0.354, 199.931

12, 12.846, 23.331

22, 2.535, 199.020

11, 15.859, 24.454

24, 4.581, 198.647

9, 18.640, 24.140

26, 6.504, 198.354

8, 21.095, 23.088

28, 8.317, 198.113

7, 23.300, 21.988

29, 10.029,
197.912

6, 25.424, 21.151

31, 11.653,
197.742

6, 25.748, 21.039

33, 13.197,
197.597

Harmonies

Complementary

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



17, 4.458, 20.402



19, 4.040, 198.648

Rectangle

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



17, 4.458, 20.402



17, 4.458, 70.402



17, 4.458, 200.402



17, 4.458, 250.402

Sweetspot

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



17, 4.457, 20.411



26, 1.746, 19.590



17, 7.534, 325.265



12, 1.171, 19.590



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, 4.457, 20.411



22, 6.765, 20.764



18, 3.805, 73.517



8, 1.340, 19.528



16, 44.929, 34.016



45, 92.500, 40.001

Inverse Universe

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



19, 4.040, 198.648



26, 5.965, 198.442



18, 3.660, 257.543



9, 1.285, 199.145



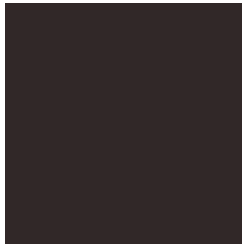
34, 23.296, 196.397



79, 44.324, 196.398

Previews

White Background



This preview shows how the CIELCh color 17, 4.458, 20.402 looks on a white background.

Color Contrast Check

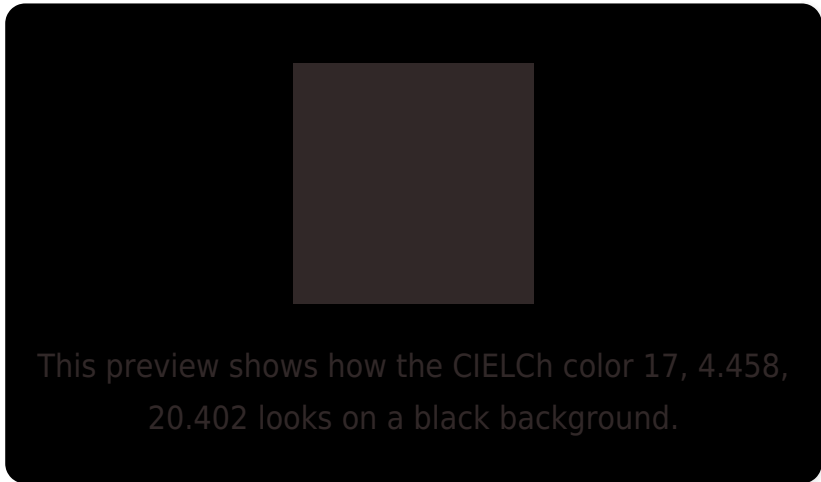
Large Text (above 18pt) WCAG AA ✓ Pass

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

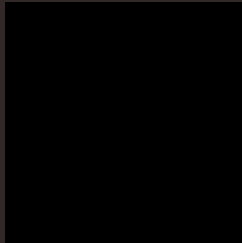
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 4.458, 20.402

Background



This preview shows how black text looks on a background with the CIELCh color 17, 4.458, 20.402.

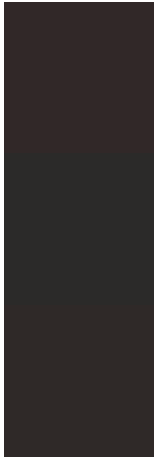


This preview shows how white text looks on a background with the CIELCh color 17, 4.458, 20.402.

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

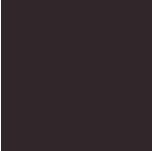
17, 4.458, 20.402

Protanopia

17, 0.839, 74.817

Deuteranopia

17, 3.036, 33.122



Tritanopia
17, 5.300, 357.622

Trichromacy



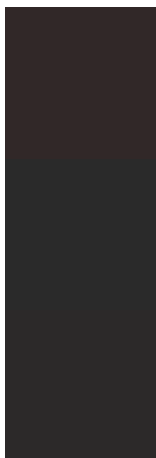
Original Color
17, 4.458, 20.402

Protanomaly
17, 1.945, 19.753

Deuteranomaly
17, 3.529, 31.368

Tritanomaly
17, 5.101, 4.896

Monochromacy



Original Color
17, 4.458, 20.402

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 1.454, 19.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 4.458, 20.402 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(49, 40, 40)` looks like.

```
.text, #text, p{  
    color:rgb(49, 40, 40)  
}
```

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(49, 40, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 40, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 4.458, 20.402 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(49, 40, 40) }
```

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

```
.border{ border-color:rgb(49, 40, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 40, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 40, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 40, 40);  
box-shadow:4px 4px 4px 4px rgb(49, 40, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 4.458, 20.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 40, 40) }
```

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

```
.background{ background-color: rgb(49, 40,  
40) }
```

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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