

Converting Colors

CIELCh(17, 4.403, 54.389)

Have a look what the booklet for
CIELCh(17, 4.403, 54.389) contains.

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Color

CIELCh(17, 4.556, 47.208)

Conversions

Conversions Part 1

Format	Color
Hex	302825
RGB	48, 40, 37
RGB Percent	19%, 16%, 15%
CMY	0.8108, 0.8422, 0.8540
CMYK	0.00, 0.17, 0.23, 0.81
HSL	16°, 13%, 17%
HSV	16°, 23%, 19%
XYZ	2.3343, 2.3023, 2.0904
YIQ	42.0500, 5.7310, 0.7630

Conversions

Conversions Part 2

Format	Color
RYB	48, 41, 37
Decimal	3156005
CIELab	17.00, 3.10, 3.34
CIELCh	17, 4.556, 47.208
Yxy	2.3023, 0.3470, 0.3423
Android (android.graphics.Color)	4281346085 (0xFF302825)
YUV	42.0500, -2.4896, 5.2182
Hunter-Lab	15.1734, 0.9069, 2.4532

Details

The CIELCh color **17, 4.556, 47.208** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 4.068, 229.606**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 4.359, 44.856**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 6.771, 46.910**, and if you desaturate by 10%, it is **18, 2.478, 47.568**.

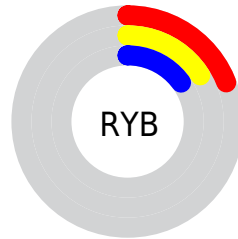
Distribution



Red (19%)

Green (16%)

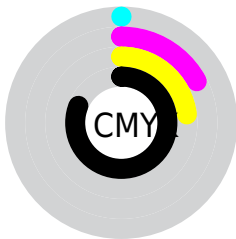
Blue (15%)



Red (19%)

Yellow (16%)

Blue (15%)

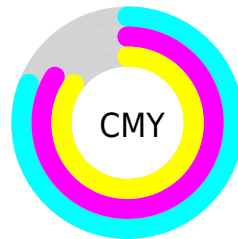


Cyan (0%)

Magenta (17%)

Yellow (23%)

Black (81%)



Cyan (81%)

Magenta (84%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 4.556, 47.208 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, 4.556, 47.208 by changing the saturation by 10% instead.

 17, 4.556, 47.208  17, 4.556, 47.208

 100, 4.556, 47.208  7, 4.556, 47.208

 37, 4.556, 47.208  0, 4.556, 47.208

 47, 4.556, 47.208

 57, 4.556, 47.208

 67, 4.556, 47.208

 77, 4.556, 47.208

 87, 4.556, 47.208

 97, 4.556, 47.208

 17, 4.556, 47.208  17, 4.556, 47.208

16, 6.771, 46.910	18, 2.478, 47.568
14, 9.132, 46.668	20, 0.528, 47.710
13, 11.643, 46.511	21, 1.305, 228.688
12, 14.124, 45.756	22, 3.033, 229.094
11, 16.264, 43.640	24, 4.665, 229.578
10, 18.134, 40.812	25, 6.212, 230.084
9, 19.949, 38.547	26, 7.682, 230.598
8, 21.229, 37.403	28, 9.083, 231.114
	29, 10.423, 231.627

Harmonies

Complementary

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



17, 4.556, 47.208



18, 4.068, 229.606

Rectangle

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



17, 4.556, 47.208



17, 4.556, 97.208



17, 4.556, 227.208



17, 4.556, 277.208

Sweetspot

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



17, 4.556, 47.220



26, 1.680, 47.736



16, 7.692, 334.232



12, 1.103, 47.740



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, 4.556, 47.220



23, 6.941, 47.035



19, 5.904, 96.091



7, 0.917, 46.990



19, 39.531, 44.916



49, 84.385, 45.885

Inverse Universe

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



18, 4.068, 229.606



24, 6.003, 230.059



16, 5.996, 280.826



7, 0.915, 229.426



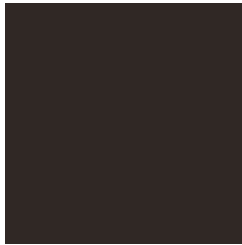
24, 20.911, 246.793



60, 41.402, 251.404

Previews

White Background



This preview shows how the CIELCh color 17, 4.556, 47.208 looks on a white background.

Color Contrast Check

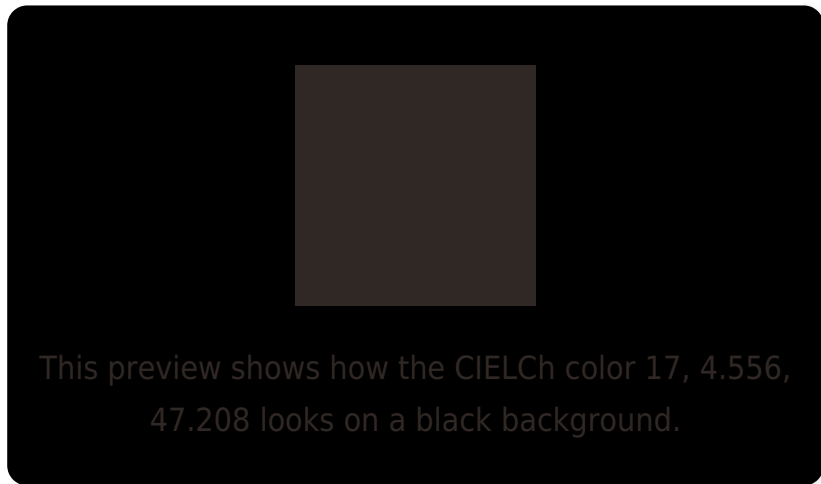
Large Text (above 18pt) WCAG AA ✓ Pass

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

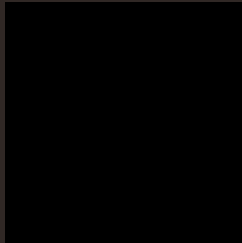
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 4.556, 47.208

Background



This preview shows how black text looks on a background with the CIELCh color 17, 4.556, 47.208.

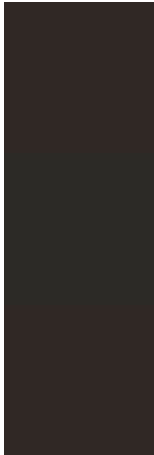


This preview shows how white text looks on a background with the CIELCh color 17, 4.556, 47.208.

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, 4.556, 47.208

Protanopia

17, 2.936, 89.727

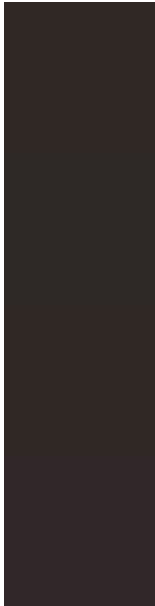
Deuteranopia

17, 4.556, 47.208



Tritanopia
17, 5.581, 350.992

Trichromacy



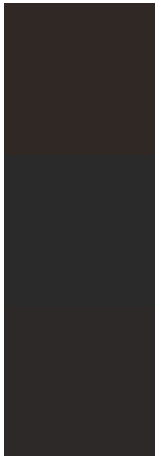
Original Color
17, 4.556, 47.208

Protanomaly
17, 3.247, 59.472

Deuteranomaly
17, 4.556, 47.208

Tritanomaly
17, 5.101, 4.896

Monochromacy



Original Color
17, 4.556, 47.208

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 1.616, 44.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 4.556, 47.208 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(48, 40, 37)` looks like.

```
.text, #text, p{  
    color:rgb(48, 40, 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(48, 40, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 40, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 4.556, 47.208 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(48, 40, 37) }
```

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

```
.border{ border-color:rgb(48, 40, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 40, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 40, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 40, 37);  
box-shadow:4px 4px 4px 4px rgb(48, 40, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 4.556, 47.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 40, 37) }
```

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

```
.background{ background-color: rgb(48, 40,  
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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