

Converting Colors

CIELCh(17, 25.027, 40.259)

Have a look what the booklet for
CIELCh(17, 25.027, 40.259) contains.

CIELCh(17, 24.870, 39.109)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(17, 24.870, 39.109)

Conversions

Conversions Part 1

Format	Color
Hex	471D14
RGB	71, 29, 20
RGB Percent	28%, 11%, 8%
CMY	0.7200, 0.8849, 0.9203
CMYK	0.00, 0.59, 0.72, 0.72
HSL	11°, 56%, 18%
HSV	11°, 72%, 28%
XYZ	3.2053, 2.3023, 0.9524
YIQ	40.5320, 27.9210, 6.1050

Conversions

Conversions Part 2

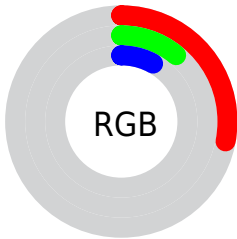
Format	Color
RYB	71, 31, 20
Decimal	4660500
CIELab	17.00, 19.30, 15.69
CIELCh	17, 24.870, 39.109
Yxy	2.3023, 0.4962, 0.3564
Android (android.graphics.Color)	4282850580 (0xFF471D14)
YUV	40.5320, -10.1223, 26.7204
Hunter-Lab	15.1734, 11.1530, 6.9000

Details

The CIELCh color **17, 24.870, 39.109** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **24, 14.841, 221.401**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 25.131, 39.438**, and **1, 4.012, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 28.628, 39.013**, and if you desaturate by 10%, it is **19, 20.728, 38.251**.

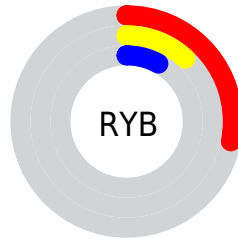
Distribution



 Red (28%)

 Green (11%)

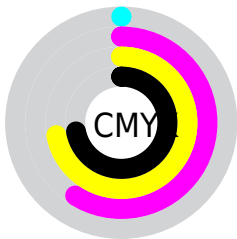
 Blue (8%)



 Red (28%)

 Yellow (12%)

 Blue (8%)

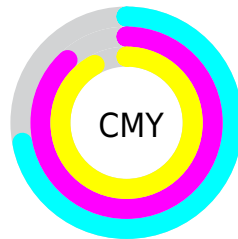


 Cyan (0%)


 Magenta (59%)

 Yellow (72%)

 Black (72%)



 Cyan (72%)

 Magenta (88%)

 Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 24.870, 39.109 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, 24.870, 39.109 by changing the saturation by 10% instead.

 17, 24.870, 39.109

 17, 24.870, 39.109

 100, 24.870,
39.109

 7, 24.870, 39.109

 37, 24.870, 39.109

 0, 24.870, 39.109

 47, 24.870, 39.109

 57, 24.870, 39.109

 67, 24.870, 39.109

 77, 24.870, 39.109

 87, 24.870, 39.109

 97, 24.870, 39.109

■ 17, 24.870, 39.109

■ 17, 24.870, 39.109

■ 16, 28.628, 39.013

■ 19, 20.728, 38.251

■ 14, 31.664, 37.912

■ 20, 16.768, 37.603

■ 13, 34.014, 37.557

■ 22, 13.032, 37.152

■ 24, 9.533, 36.869

■ 26, 6.271, 36.719

■ 28, 3.238, 36.655

■ 30, 0.416, 36.167

■ 32, 2.212, 217.048

■ 34, 4.664, 217.166

Harmonies

Complementary

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



17, 24.870, 39.109



24, 14.841, 221.401

Rectangle

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



17, 24.870, 39.109



17, 24.870, 89.109



17, 24.870, 219.109



17, 24.870, 269.109

Sweetspot

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



17, 24.869, 39.112



34, 7.539, 36.721



17, 33.553, 333.495



15, 5.049, 36.733



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



17, 24.869, 39.112



20, 38.149, 40.626



24, 23.957, 82.468



13, 1.546, 36.636



20, 46.773, 41.096



49, 92.098, 42.540

Inverse Universe

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



24, 14.841, 221.401



30, 19.578, 224.639



15, 24.182, 284.251



13, 1.474, 217.051



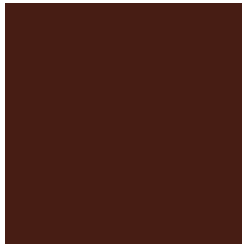
32, 21.827, 228.270



70, 39.935, 230.987

Previews

White Background



This preview shows how the CIELCh color 17, 24.870, 39.109 looks on a white background.

Color Contrast Check

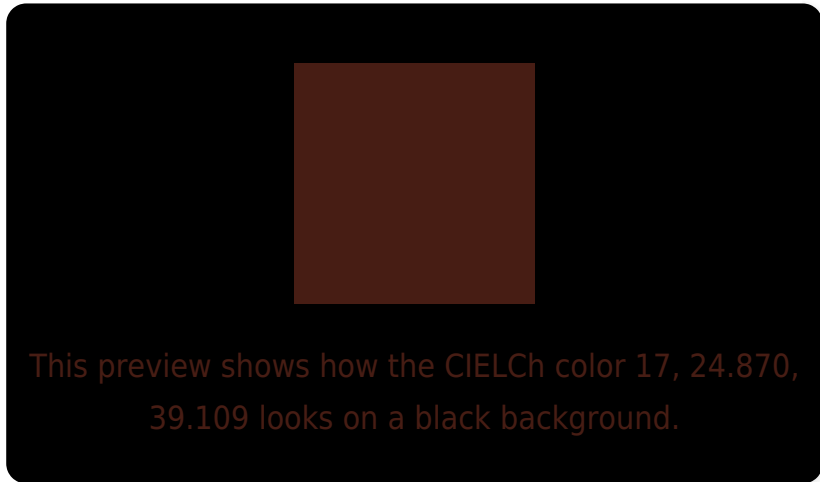
Large Text (above 18pt) WCAG AA ✓ Pass

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

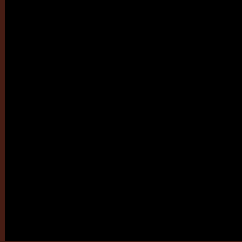
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 24.870, 39.109

Background



This preview shows how black text looks on a background with the CIELCh color 17, 24.870, 39.109.

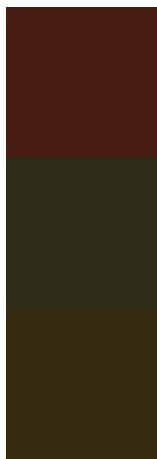


This preview shows how white text looks on a background with the CIELCh color 17, 24.870, 39.109.

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, 24.870, 39.109

Protanopia

17, 12.483, 97.019

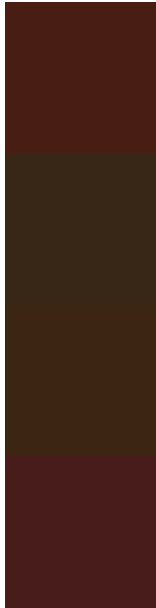
Deuteranopia

17, 17.140, 82.868



Tritanopia
17, 23.063, 22.902

Trichromacy



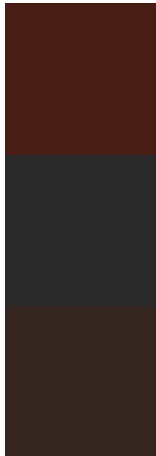
Original Color
17, 24.870, 39.109

Protanomaly
17, 14.691, 64.562

Deuteranomaly
17, 18.442, 62.038

Tritanomaly
17, 23.896, 29.243

Monochromacy



Original Color
17, 24.870, 39.109

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 8.385, 40.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 24.870, 39.109 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(71, 29, 20)` looks like.

```
.text, #text, p{  
    color:rgb(71, 29, 20)  
}
```

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(71, 29, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 29, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 24.870, 39.109 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(71, 29, 20) }
```

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

```
.border{ border-color:rgb(71, 29, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 29, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 29, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 29, 20);  
box-shadow:4px 4px 4px 4px rgb(71, 29, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 24.870, 39.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 29, 20) }
```

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

```
.background{ background-color: rgb(71, 29,  
20) }
```

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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