

Converting Colors

CIELCh(17, 14.521, 69.218)

Have a look what the booklet for
CIELCh(17, 14.521, 69.218) contains.

CIELCh(17, 14.395, 69.227)	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, 14.395, 69.227)

Conversions

Conversions Part 1

Format	Color
Hex	372717
RGB	55, 39, 23
RGB Percent	22%, 15%, 9%
CMY	0.7853, 0.8479, 0.9107
CMYK	0.00, 0.29, 0.58, 0.79
HSL	30°, 41%, 15%
HSV	30°, 58%, 21%
XYZ	2.4325, 2.3023, 1.1155
YIQ	41.9600, 14.6720, -1.5840

Conversions

Conversions Part 2

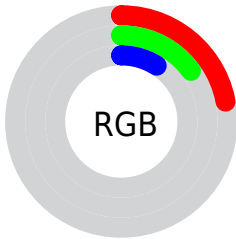
Format	Color
R_{YB}	55, 55, 23
Decimal	3614487
CIE Lab	17.00, 5.11, 13.46
CIE LCh	17, 14.395, 69.227
Yxy	2.3023, 0.4158, 0.3935
Android (android.graphics.Color)	4281804567 (0xFF372717)
YUV	41.9600, -9.3473, 11.4361
Hunter-Lab	15.1734, 2.0622, 6.2627

Details

The CIELCh color **17, 14.395, 69.227** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **15, 12.467, 264.816**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 14.362, 69.820**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 17.064, 68.007**, and if you desaturate by 10%, it is **18, 11.703, 70.315**.

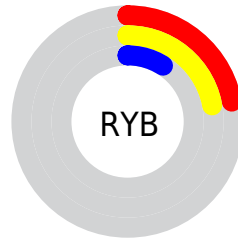
Distribution



Red (22%)

Green (15%)

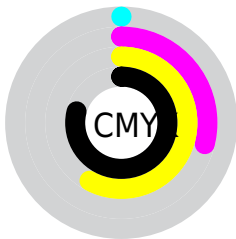
Blue (9%)



Red (22%)

Yellow (22%)

Blue (9%)

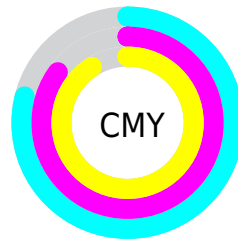


Cyan (0%)

Magenta (29%)

Yellow (58%)

Black (79%)



Cyan (79%)

Magenta (85%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 14.395, 69.227 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, 14.395, 69.227 by changing the saturation by 10% instead.

 17, 14.395, 69.227

 17, 14.395, 69.227

 100, 14.395,
69.227

 7, 14.395, 69.227

 0, 14.395, 69.227

 37, 14.395, 69.227

 47, 14.395, 69.227

 57, 14.395, 69.227

 67, 14.395, 69.227

 77, 14.395, 69.227

 87, 14.395, 69.227

 97, 14.395, 69.227

■ 17, 14.395, 69.227

■ 17, 14.395, 69.227

■ 16, 17.064, 68.007

■ 18, 11.703, 70.315

■ 15, 19.172, 66.003

■ 19, 9.101, 71.388

■ 14, 20.833, 63.523

■ 20, 6.595, 72.451

■ 13, 22.493, 61.400

■ 21, 4.187, 73.498

■ 13, 22.763, 61.092

■ 22, 1.872, 74.501

■ 23, 0.357, 256.023

■ 24, 2.506, 256.673

■ 25, 4.582, 257.626

■ 26, 6.593, 258.567

Harmonies

Complementary

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



17, 14.395, 69.227



15, 12.467, 264.816

Rectangle

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



17, 14.395, 69.227



17, 14.395, 119.227



17, 14.395, 249.227



17, 14.395, 299.227

Sweetspot

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



17, 14.395, 69.232



28, 5.124, 73.445



13, 18.624, 348.955



12, 3.496, 73.347



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, 14.395, 69.232



22, 22.097, 67.550



22, 20.600, 105.483



10, 1.261, 74.502



24, 38.775, 62.585



58, 76.237, 60.149

Inverse Universe

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



15, 12.467, 264.816



18, 18.456, 268.814



9, 23.631, 297.389



9, 1.243, 256.427



19, 32.016, 280.617



47, 65.202, 284.638

Previews

White Background



This preview shows how the CIELCh color 17, 14.395, 69.227 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



This preview shows how the CIELCh color 17, 14.395, 69.227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

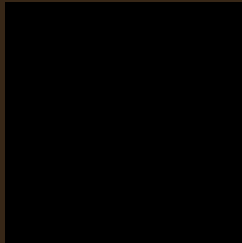
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 14.395, 69.227

Background



This preview shows how black text looks on a background with the CIELCh color 17, 14.395, 69.227.

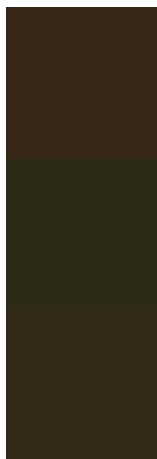


This preview shows how white text looks on a background with the CIELCh color 17, 14.395, 69.227.

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, 14.395, 69.227

Protanopia

17, 12.522, 96.942

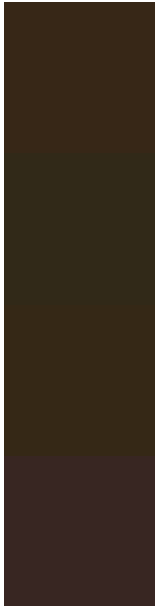
Deuteranopia

17, 14.192, 78.922



Tritanopia
17, 9.690, 9.634

Trichromacy



Original Color

17, 14.395, 69.227

Protanomaly

17, 12.532, 86.670

Deuteranomaly

17, 14.485, 77.020

Tritanomaly

17, 9.879, 37.510

Monochromacy



Original Color

17, 14.395, 69.227

Achromatopsia

17, 0.003, 296.813

Achromatomaly

17, 5.176, 72.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 14.395, 69.227 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(55, 39, 23)` looks like.

```
.text, #text, p{  
    color:rgb(55, 39, 23)  
}
```

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(55, 39, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 39, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 14.395, 69.227 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(55, 39, 23) }
```

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

```
.border{ border-color:rgb(55, 39, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 39, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 39, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 39, 23);  
box-shadow:4px 4px 4px 4px rgb(55, 39, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 14.395, 69.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 39, 23) }
```

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

```
.background{ background-color: rgb(55, 39,  
23) }
```

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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