

Converting Colors

CIELCh(17, 4.034, 76.637)

Have a look what the booklet for
CIELCh(17, 4.034, 76.637) contains.

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Color

CIELCh(17, 4.295, 73.212)

Conversions

Conversions Part 1

Format	Color
Hex	2E2924
RGB	46, 41, 36
RGB Percent	18%, 16%, 14%
CMY	0.8193, 0.8389, 0.8585
CMYK	0.00, 0.11, 0.22, 0.82
HSL	30°, 12%, 16%
HSV	30°, 22%, 18%
XYZ	2.2461, 2.3023, 2.0017
YIQ	41.9250, 4.5850, -0.4950

Conversions

Conversions Part 2

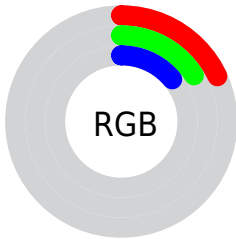
Format	Color
RYB	46, 46, 36
Decimal	3025188
CIELab	17.00, 1.24, 4.11
CIELCh	17, 4.295, 73.212
Yxy	2.3023, 0.3429, 0.3515
Android (android.graphics.Color)	4281215268 (0xFF2E2924)
YUV	41.9250, -2.9210, 3.5738
Hunter-Lab	15.1734, -0.1310, 2.7999

Details

The CIELCh color **17, 4.295, 73.212** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16, 4.102, 257.940**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 4.539, 73.903**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 6.397, 72.211**, and if you desaturate by 10%, it is **18, 2.272, 74.208**.

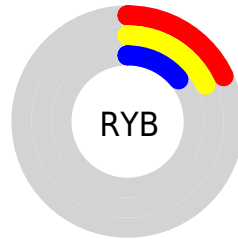
Distribution



Red (18%)

Green (16%)

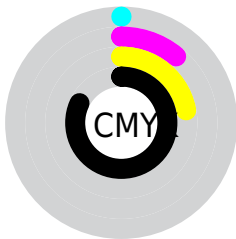
Blue (14%)



Red (18%)

Yellow (18%)

Blue (14%)

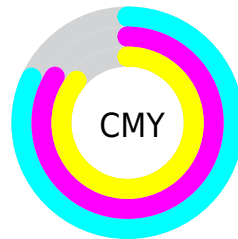


Cyan (0%)

Magenta (11%)

Yellow (22%)

Black (82%)



Cyan (82%)

Magenta (84%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 4.295, 73.212 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, 4.295, 73.212 by changing the saturation by 10% instead.

■ 17, 4.295, 73.212 ■ 17, 4.295, 73.212

■ 100, 4.295, 73.212 ■ 7, 4.295, 73.212

■ 37, 4.295, 73.212 ■ 0, 4.295, 73.212

■ 47, 4.295, 73.212

■ 57, 4.295, 73.212

■ 67, 4.295, 73.212

■ 77, 4.295, 73.212

■ 87, 4.295, 73.212

■ 97, 4.295, 73.212

■ 17, 4.295, 73.212 ■ 17, 4.295, 73.212

■ 16, 6.397, 72.211	■ 18, 2.272, 74.208
■ 15, 8.580, 71.185	■ 19, 0.323, 74.849
■ 14, 10.843, 70.151	■ 20, 1.558, 256.324
■ 14, 13.011, 68.823	■ 21, 3.377, 257.231
■ 13, 14.732, 66.721	■ 22, 5.138, 258.145
■ 12, 16.074, 64.034	■ 23, 6.848, 259.038
■ 11, 17.361, 61.572	■ 24, 8.511, 259.905
■ 11, 18.446, 59.833	■ 24, 10.132, 260.742
	■ 25, 11.715, 261.549

Harmonies

Complementary

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



17, 4.295, 73.212



16, 4.102, 257.940

Rectangle

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



17, 4.295, 73.212



17, 4.295, 123.212



17, 4.295, 253.212



17, 4.295, 303.212

Sweetspot

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



17, 4.295, 73.224



24, 1.651, 74.606



16, 5.996, 345.173



11, 1.085, 74.625



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



17, 4.295, 73.224



22, 6.374, 72.652



19, 6.818, 108.464



7, 0.966, 74.119



23, 36.798, 62.556



57, 74.882, 60.198

Inverse Universe

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



16, 4.102, 257.940



21, 6.004, 258.714



15, 7.101, 292.142



7, 0.985, 256.715



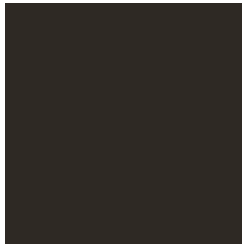
18, 30.543, 280.204



46, 63.951, 284.556

Previews

White Background



This preview shows how the CIELCh color 17, 4.295, 73.212 looks on a white background.

Color Contrast Check

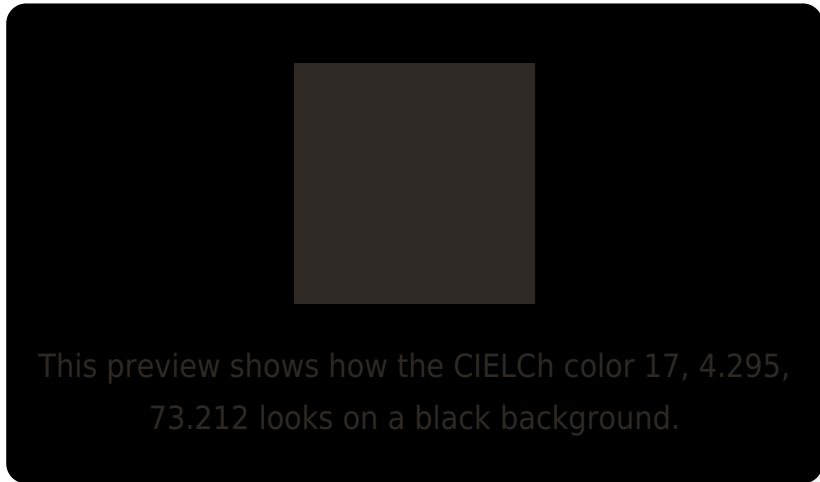
Large Text (above 18pt) WCAG AA ✓ Pass

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

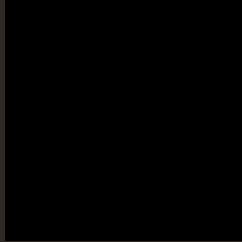
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

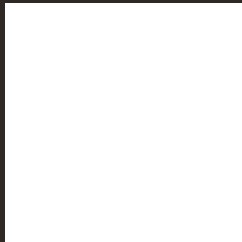
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 4.295, 73.212

Background



This preview shows how black text looks on a background with the CIELCh color 17, 4.295, 73.212.



This preview shows how white text looks on a background with the CIELCh color 17, 4.295, 73.212.

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, 4.295, 73.212

Protanopia

17, 4.268, 95.472

Deuteranopia

17, 4.942, 54.084



Tritanopia
17, 3.974, 348.754

Trichromacy



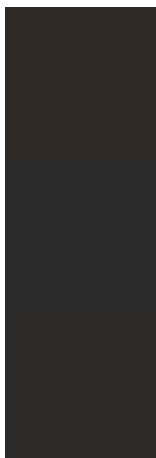
Original Color
17, 4.295, 73.212

Protanomaly
17, 4.415, 89.067

Deuteranomaly
17, 4.521, 57.710

Tritanomaly
17, 3.449, 20.153

Monochromacy



Original Color
17, 4.295, 73.212

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 1.463, 90.378

CSS Examples

Text

The CSS property to change the color of the text to CIE LCh 17, 4.295, 73.212 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(46, 41, 36)` looks like.

```
.text, #text, p{  
  color:rgb(46, 41, 36)  
}
```

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(46, 41, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 41, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 4.295, 73.212 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(46, 41, 36) }
```

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

```
.border{ border-color:rgb(46, 41, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 41, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 41, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 41, 36);  
box-shadow:4px 4px 4px 4px rgb(46, 41, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 4.295, 73.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 41, 36) }
```

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

```
.background{ background-color: rgb(46, 41,  
36) }
```

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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