

Converting Colors

CIELCh(17, 6.470, 72.348)

Have a look what the booklet for
CIELCh(17, 6.470, 72.348) contains.

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Color

CIELCh(17, 6.648, 75.646)

Conversions

Conversions Part 1

Format	Color
Hex	302921
RGB	48, 41, 33
RGB Percent	19%, 16%, 13%
CMY	0.8127, 0.8401, 0.8714
CMYK	0.00, 0.15, 0.31, 0.81
HSL	32°, 19%, 16%
HSV	32°, 31%, 19%
XYZ	2.2652, 2.3023, 1.7483
YIQ	42.1810, 6.7400, -1.0040

Conversions

Conversions Part 2

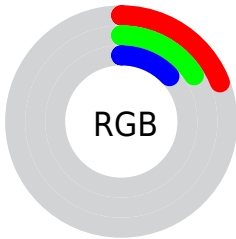
Format	Color
RYB	46, 48, 33
Decimal	3156257
CIELab	17.00, 1.65, 6.44
CIELCh	17, 6.648, 75.646
Yxy	2.3023, 0.3587, 0.3645
Android (android.graphics.Color)	4281346337 (0xFF302921)
YUV	42.1810, -4.5262, 5.1033
Hunter-Lab	15.1734, 0.0948, 3.7900

Details

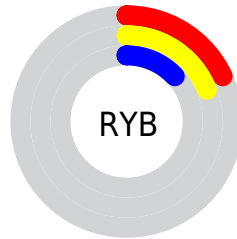
The CIELCh color **17, 6.648, 75.646** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16, 6.288, 262.928**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 6.600, 76.402**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 8.919, 74.575**, and if you desaturate by 10%, it is **18, 4.452, 76.713**.

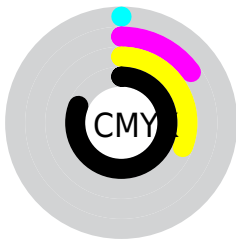
Distribution



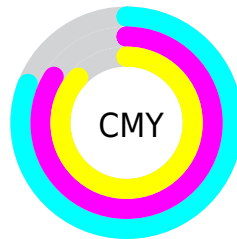
- Red (19%)
- Green (16%)
- Blue (13%)



- Red (18%)
- Yellow (19%)
- Blue (13%)



- Cyan (0%)
- Magenta (15%)
- Yellow (31%)
- Black (81%)



- Cyan (81%)
- Magenta (84%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 6.648, 75.646 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, 6.648, 75.646 by changing the saturation by 10% instead.

■ 17, 6.648, 75.646 ■ 17, 6.648, 75.646

■ 100, 6.648, 75.646 ■ 7, 6.648, 75.646

■ 37, 6.648, 75.646 ■ 0, 6.648, 75.646

■ 47, 6.648, 75.646

■ 57, 6.648, 75.646

■ 67, 6.648, 75.646

■ 77, 6.648, 75.646

■ 87, 6.648, 75.646

■ 97, 6.648, 75.646

■ 17, 6.648, 75.646 ■ 17, 6.648, 75.646

16, 8.919, 74.575	18, 4.452, 76.713
15, 11.261, 73.480	19, 2.328, 77.738
14, 13.589, 72.265	20, 0.273, 78.359
14, 15.467, 70.415	21, 1.717, 259.899
13, 16.890, 67.982	21, 3.648, 260.836
12, 18.207, 65.661	22, 5.525, 261.771
12, 19.360, 63.941	23, 7.353, 262.680
	24, 9.136, 263.559
	25, 10.879, 264.405

Harmonies

Complementary

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



17, 6.648, 75.646



16, 6.288, 262.928

Rectangle

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



17, 6.648, 75.646



17, 6.648, 125.646



17, 6.648, 255.646



17, 6.648, 305.646

Sweetspot

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



17, 6.648, 75.654



25, 2.262, 77.924



15, 8.811, 347.915



11, 1.535, 77.896



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, 6.648, 75.654



22, 10.066, 74.725



19, 10.125, 109.126



7, 0.990, 77.722



24, 36.693, 65.593



58, 73.917, 63.028

Inverse Universe

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



16, 6.288, 262.928



20, 9.359, 264.344



13, 10.766, 294.375



7, 1.012, 260.170



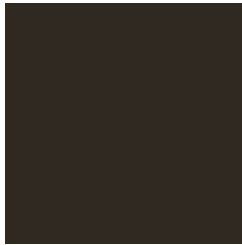
17, 32.522, 283.482



44, 68.341, 287.641

Previews

White Background



This preview shows how the CIELCh color 17, 6.648, 75.646 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

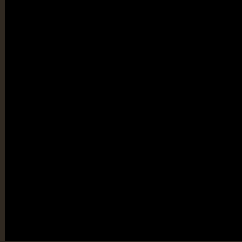
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

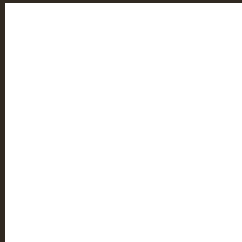
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 6.648, 75.646

Background



This preview shows how black text looks on a background with the CIELCh color 17, 6.648, 75.646.

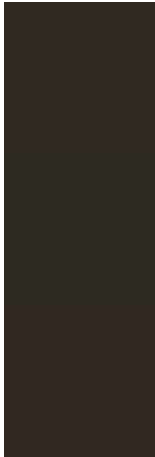


This preview shows how white text looks on a background with the CIELCh color 17, 6.648, 75.646.

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, 6.648, 75.646

Protanopia

17, 6.407, 94.618

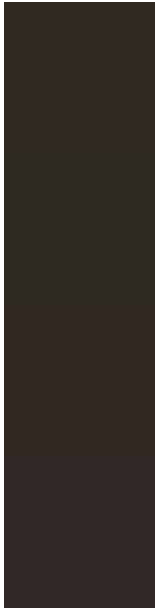
Deuteranopia

17, 6.787, 65.332



Tritanopia
17, 5.581, 350.992

Trichromacy



Original Color

17, 6.648, 75.646

Protanomaly

17, 6.554, 90.217

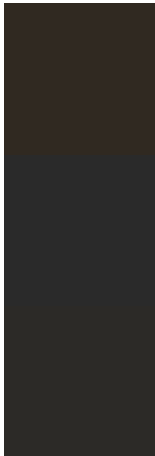
Deuteranomaly

17, 6.787, 65.332

Tritanomaly

17, 4.547, 29.090

Monochromacy



Original Color

17, 6.648, 75.646

Achromatopsia

17, 0.003, 296.813

Achromatomaly

17, 2.292, 84.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 6.648, 75.646 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, 41, 33)` looks like.

```
.text, #text, p{  
    color:rgb(48, 41, 33)  
}
```

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, 41, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 41, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 6.648, 75.646 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, 41, 33) }
```

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

```
.border{ border-color:rgb(48, 41, 33) }
```

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

Here you see how a box with a 4 pixel rgb(48, 41, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 41, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 41, 33);  
box-shadow:4px 4px 4px 4px rgb(48, 41, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 6.648, 75.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 41, 33) }
```

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

```
.background{ background-color: rgb(48, 41,  
33) }
```

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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