

Converting Colors

CIELCh(17, 6.786, 65.535)

Have a look what the booklet for
CIELCh(17, 6.786, 65.535) contains.

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Color

CIELCh(17, 6.787, 65.332)

Conversions

Conversions Part 1

Format	Color
Hex	312821
RGB	49, 40, 33
RGB Percent	19%, 16%, 13%
CMY	0.8069, 0.8423, 0.8697
CMYK	0.00, 0.18, 0.33, 0.81
HSL	26°, 19%, 16%
HSV	26°, 33%, 19%
XYZ	2.3217, 2.3023, 1.7768
YIQ	41.8930, 7.6110, -0.2690

Conversions

Conversions Part 2

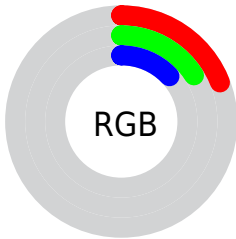
Format	Color
RYB	49, 45, 33
Decimal	3221537
CIELab	17.00, 2.83, 6.17
CIELCh	17, 6.787, 65.332
Yxy	2.3023, 0.3627, 0.3597
Android (android.graphics.Color)	4281411617 (0xFF312821)
YUV	41.8930, -4.3842, 6.2328
Hunter-Lab	15.1734, 0.7584, 3.6786

Details

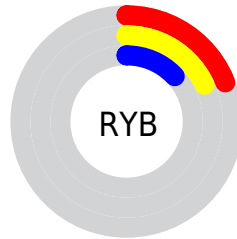
The CIELCh color **17, 6.787, 65.332** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 6.122, 252.239**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 6.675, 67.151**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 9.093, 64.436**, and if you desaturate by 10%, it is **18, 4.588, 66.250**.

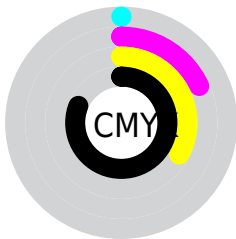
Distribution



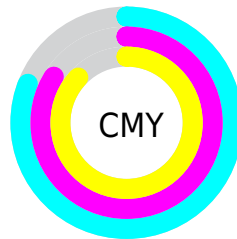
- Red (19%)
- Green (16%)
- Blue (13%)



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



- Cyan (0%)
- Magenta (18%)
- Yellow (33%)
- Black (81%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 6.787, 65.332 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, 6.787, 65.332 by changing the saturation by 10% instead.

 17, 6.787, 65.332  17, 6.787, 65.332

 100, 6.787, 65.332  7, 6.787, 65.332

 37, 6.787, 65.332  0, 6.787, 65.332

 47, 6.787, 65.332

 57, 6.787, 65.332

 67, 6.787, 65.332

 77, 6.787, 65.332

 87, 6.787, 65.332

 97, 6.787, 65.332

 17, 6.787, 65.332  17, 6.787, 65.332

■ 16, 9.093, 64.436	■ 18, 4.588, 66.250
■ 15, 11.507, 63.543	■ 19, 2.492, 67.146
■ 14, 13.933, 62.465	■ 20, 0.490, 67.812
■ 13, 15.927, 60.419	■ 21, 1.425, 249.158
■ 12, 17.511, 57.620	■ 22, 3.261, 249.999
■ 11, 19.026, 55.059	■ 23, 5.025, 250.868
■ 11, 20.175, 53.472	■ 25, 6.726, 251.726
	■ 26, 8.369, 252.564
	■ 27, 9.960, 253.378

Harmonies

Complementary

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



17, 6.787, 65.332



17, 6.122, 252.239

Rectangle

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



17, 6.787, 65.332



17, 6.787, 115.332



17, 6.787, 245.332



17, 6.787, 295.332

Sweetspot

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



17, 6.787, 65.340



26, 2.459, 67.319



15, 9.979, 342.502



12, 1.697, 67.293



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, 6.787, 65.340



22, 10.323, 64.567



20, 10.096, 104.591



8, 1.118, 67.450



22, 38.279, 57.137



55, 77.854, 55.315

Inverse Universe

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



17, 6.122, 252.239



21, 9.027, 253.610



14, 10.670, 290.745



8, 1.097, 249.268



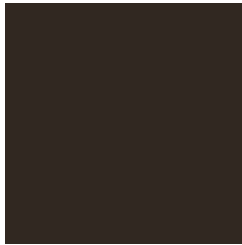
20, 27.771, 273.275



51, 56.790, 277.773

Previews

White Background



This preview shows how the CIELCh color 17, 6.787, 65.332 looks on a white background.

Color Contrast Check

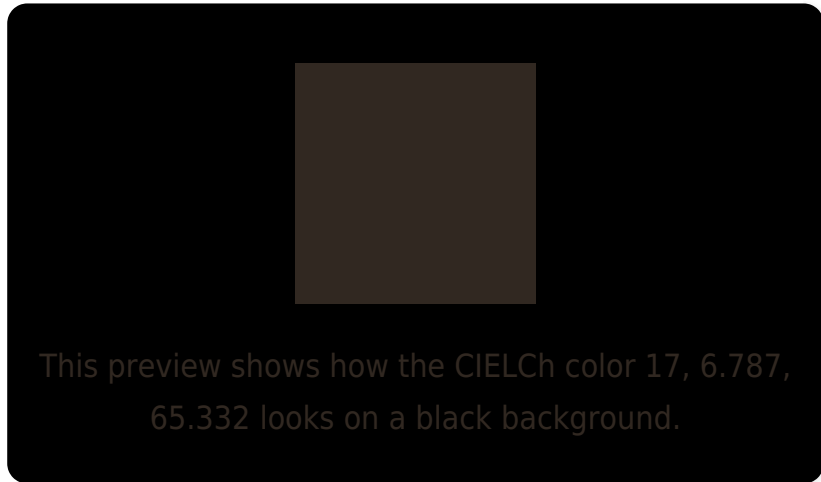
Large Text (above 18pt) WCAG AA ✓ Pass

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

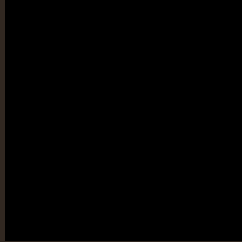
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 6.787, 65.332

Background



This preview shows how black text looks on a background with the CIELCh color 17, 6.787, 65.332.



This preview shows how white text looks on a background with the CIELCh color 17, 6.787, 65.332.

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

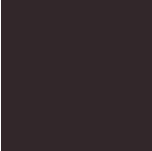
17, 6.787, 65.332

Protanopia

17, 5.738, 93.241

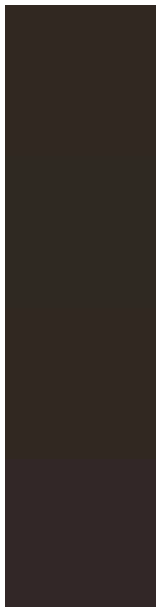
Deuteranopia

17, 6.787, 65.332



Tritanopia
17, 5.759, 359.711

Trichromacy



Original Color
17, 6.787, 65.332

Protanomaly
17, 5.762, 76.560

Deuteranomaly
17, 6.787, 65.332

Tritanomaly
17, 5.497, 20.675

Monochromacy



Original Color
17, 6.787, 65.332

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 2.409, 54.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 6.787, 65.332 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(49, 40, 33)` looks like.

```
.text, #text, p{  
    color:rgb(49, 40, 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(49, 40, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 40, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 6.787, 65.332 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(49, 40, 33) }
```

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

```
.border{ border-color:rgb(49, 40, 33) }
```

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

Here you see how a box with a 4 pixel rgb(49, 40, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 40, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 40, 33);  
box-shadow:4px 4px 4px 4px rgb(49, 40, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 6.787, 65.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 40, 33) }
```

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

```
.background{ background-color: rgb(49, 40,  
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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