

Converting Colors

CIELCh(17, 9.664, 98.889)

Have a look what the booklet for
CIELCh(17, 9.664, 98.889) contains.

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Color

CIELCh(17, 9.768, 98.267)

Conversions

Conversions Part 1

Format	Color
Hex	2D2A1C
RGB	45, 42, 28
RGB Percent	18%, 16%, 11%
CMY	0.8233, 0.8351, 0.8900
CMYK	0.00, 0.07, 0.38, 0.82
HSL	49°, 23%, 14%
HSV	49°, 38%, 18%
XYZ	2.1241, 2.3023, 1.4339
YIQ	41.3010, 6.2820, -3.7180

Conversions

Conversions Part 2

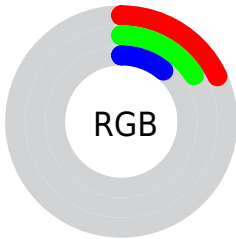
Format	Color
RYB	32, 45, 28
Decimal	2959900
CIELab	17.00, -1.40, 9.67
CIElCh	17, 9.768, 98.267
Yxy	2.3023, 0.3625, 0.3929
Android (android.graphics.Color)	4281149980 (0xFF2D2A1C)
YUV	41.3010, -6.5574, 3.2440
Hunter-Lab	15.1734, -1.5655, 5.0184

Details

The CIELCh color **17, 9.768, 98.267** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **12, 10.186, 286.073**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 9.993, 98.058**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 12.342, 97.306**, and if you desaturate by 10%, it is **17, 7.176, 99.225**.

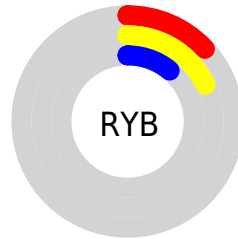
Distribution



Red (18%)

Green (16%)

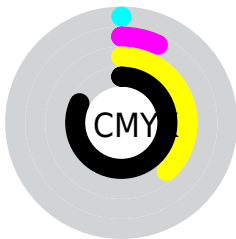
Blue (11%)



Red (13%)

Yellow (18%)

Blue (11%)

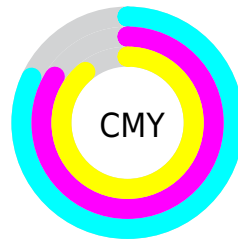


Cyan (0%)

Magenta (7%)

Yellow (38%)

Black (82%)



Cyan (82%)

Magenta (84%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 9.768, 98.267 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, 9.768, 98.267 by changing the saturation by 10% instead.

■ 17, 9.768, 98.267 ■ 17, 9.768, 98.267

■ 100, 9.768, 98.267 ■ 7, 9.768, 98.267

■ 37, 9.768, 98.267 ■ 0, 9.768, 98.267

■ 47, 9.768, 98.267

■ 57, 9.768, 98.267

■ 67, 9.768, 98.267

■ 77, 9.768, 98.267

■ 87, 9.768, 98.267

■ 97, 9.768, 98.267

■ 17, 9.768, 98.267 ■ 17, 9.768, 98.267

■ 17, 12.342, 97.306

■ 17, 7.176, 99.225

■ 16, 14.865, 96.335

■ 18, 4.581, 100.159

■ 16, 17.021, 95.449

■ 18, 1.992, 101.062

■ 16, 18.671, 94.600

■ 19, 0.584, 282.071

■ 15, 20.081, 93.811

■ 19, 3.142, 282.866

■ 15, 21.490, 93.141

■ 19, 5.682, 283.697

■ 15, 21.808, 93.004

■ 20, 8.203, 284.502

■ 20, 10.702,
285.276

■ 21, 13.182,
286.019

Harmonies

Complementary

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



17, 9.768, 98.267



12, 10.186, 286.073

Rectangle

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



17, 9.768, 98.267



17, 9.768, 148.267



17, 9.768, 278.267



17, 9.768, 328.267

Sweetspot

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



17, 9.768, 98.272



24, 3.541, 100.716



13, 9.043, 7.952



11, 2.407, 100.712



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, 9.768, 98.272



23, 14.531, 97.318



18, 11.911, 120.690



7, 1.332, 101.381



31, 39.643, 90.982



73, 75.695, 89.745

Inverse Universe

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



12, 10.186, 286.073



15, 15.376, 287.576



12, 12.652, 304.456



7, 1.355, 282.173



9, 51.075, 301.110



30, 105.951, 303.396

Previews

White Background



This preview shows how the CIELCh color 17, 9.768, 98.267 looks on a white background.

Color Contrast Check

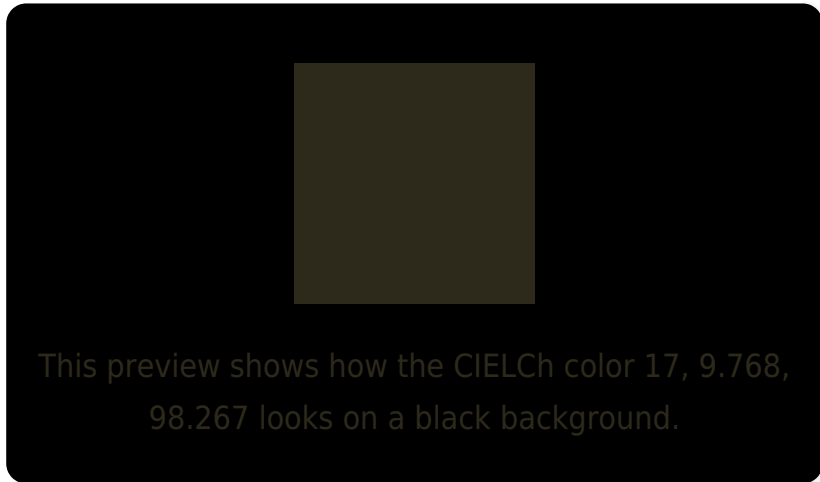
Large Text (above 18pt) WCAG AA ✓ Pass

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

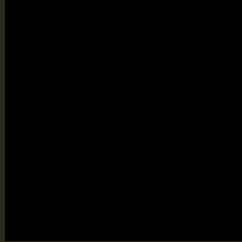
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 9.768, 98.267

Background



This preview shows how black text looks on a background with the CIELCh color 17, 9.768, 98.267.

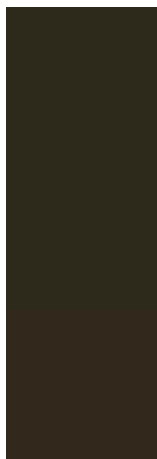


This preview shows how white text looks on a background with the CIELCh color 17, 9.768, 98.267.

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, 9.768, 98.267

Protanopia

17, 9.768, 98.267

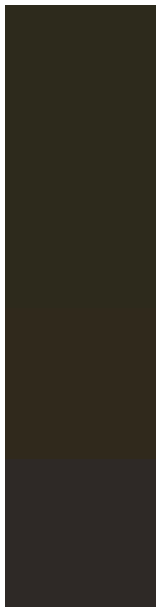
Deuteranopia

17, 9.972, 75.418



Tritanopia
17, 3.974, 348.754

Trichromacy



Original Color
17, 9.768, 98.267

Protanomaly
17, 9.768, 98.267

Deuteranomaly
17, 9.762, 85.286

Tritanomaly
17, 3.247, 59.472

Monochromacy



Original Color
17, 9.768, 98.267

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 3.507, 101.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 9.768, 98.267 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(45, 42, 28)` looks like.

```
.text, #text, p{  
    color:rgb(45, 42, 28)  
}
```

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(45, 42, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 42, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 9.768, 98.267 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(45, 42, 28) }
```

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

```
.border{ border-color:rgb(45, 42, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 42, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 42, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 42, 28);  
box-shadow:4px 4px 4px 4px rgb(45, 42, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 9.768, 98.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 42, 28) }
```

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

```
.background{ background-color: rgb(45, 42,  
28) }
```

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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