

Converting Colors

CIELCh(18, 17.631, 96.628)

Have a look what the booklet for
CIELCh(18, 17.631, 96.628) contains.

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Color

CIELCh(18, 17.631, 96.628)

Conversions

Conversions Part 1

Format	Color
Hex	312C12
RGB	49, 44, 18
RGB Percent	19%, 17%, 7%
CMY	0.8070, 0.8267, 0.9287
CMYK	0.00, 0.10, 0.63, 0.81
HSL	50°, 46%, 13%
HSV	50°, 63%, 19%
XYZ	2.2950, 2.5180, 0.9453
YIQ	42.5310, 11.3260, -7.0260

Conversions

Conversions Part 2

Format	Color
R_{YB}	24, 49, 18
Decimal	3222546
CIE _{Lab}	18.00, -2.04, 17.51
CIE _{LCh}	18, 17.631, 96.628
Yxy	2.5180, 0.3986, 0.4373
Android (android.graphics.Color)	4281412626 (0xFF312C12)
YUV	42.5310, -12.0938, 5.6733
Hunter-Lab	15.8683, -1.9536, 7.5758

Details

The CIELCh color **18, 17.631, 96.628** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9, 19.395, 291.308**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 17.366, 96.423**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 19.915, 95.739**, and if you desaturate by 10%, it is **18, 14.939, 97.604**.

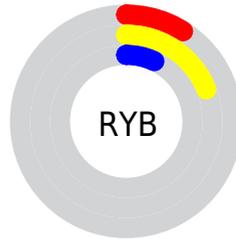
Distribution



Red (19%)

Green (17%)

Blue (7%)



Red (9%)

Yellow (19%)

Blue (7%)

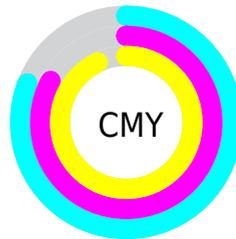


Cyan (0%)

Magenta (10%)

Yellow (63%)

Black (81%)



Cyan (81%)

Magenta (83%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 17.631, 96.628 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 18, 17.631, 96.628 by changing the saturation by 10% instead.

 18, 17.631, 96.628

 18, 17.631, 96.628

 100, 17.631,
96.628

 8, 17.631, 96.628

 38, 17.631, 96.628

 0, 17.631, 96.628

 48, 17.631, 96.628

 58, 17.631, 96.628

 68, 17.631, 96.628

 78, 17.631, 96.628

 88, 17.631, 96.628

 98, 17.631, 96.628

■ 18, 17.631, 96.628

■ 18, 17.631, 96.628

■ 18, 19.915, 95.739

■ 18, 14.939, 97.604

■ 17, 21.637, 94.906

■ 19, 12.164, 98.576

■ 17, 23.235, 94.175

■ 19, 9.348, 99.540

■ 17, 24.348, 93.730

■ 19, 6.514, 100.491

■ 20, 3.679, 101.421

■ 20, 0.853, 102.289

■ 21, 1.960, 283.265

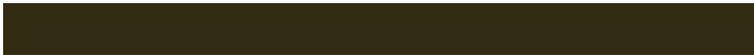
■ 21, 4.754, 284.110

■ 22, 7.529, 284.936

Harmonies

Complementary

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



18, 17.631, 96.628



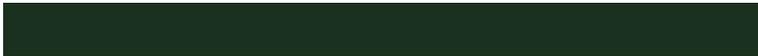
9, 19.395, 291.308

Rectangle

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



18, 17.631, 96.628



18, 17.631, 146.628



18, 17.631, 276.628



18, 17.631, 326.628

Sweetspot

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



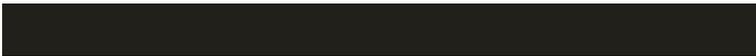
18, 17.631, 96.631



26, 6.675, 100.775



10, 16.835, 13.284



12, 4.644, 100.704



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

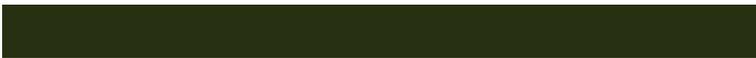
The Same Dimension uses a secret algorithm to generate beautiful new colors.



18, 17.631, 96.631



23, 25.792, 94.985



19, 21.011, 120.275



9, 1.603, 101.860



32, 40.739, 92.070



75, 76.963, 90.999

Inverse Universe

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



9, 19.395, 291.308



10, 29.820, 294.944



8, 23.479, 306.772



8, 1.623, 283.421



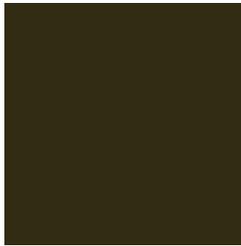
9, 53.180, 301.742



30, 108.435, 303.815

Previews

White Background



This preview shows how the CIE LCh color 18, 17.631, 96.628 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 18, 17.631, 96.628 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

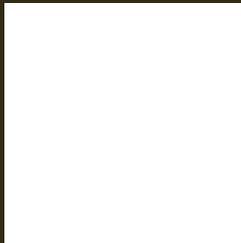
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 17.631, 96.628

Background



This preview shows how black text looks on a background with the CIELCh color 18, 17.631, 96.628.



This preview shows how white text looks on a background with the CIELCh color 18, 17.631, 96.628.

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

18, 17.631, 96.628

Protanopia

18, 17.631, 96.628

Deuteranopia

18, 17.355, 81.324



Tritanopia
18, 5.543, 350.937

Trichromacy



Original Color

18, 17.631, 96.628

Protanomaly

18, 17.631, 96.628

Deuteranomaly

18, 17.208, 87.080

Tritanomaly

18, 6.370, 68.760

Monochromacy



Original Color

18, 17.631, 96.628

Achromatopsia

18, 0.003, 296.813

Achromatomaly

17, 6.280, 99.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 17.631, 96.628 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, 44, 18)` looks like.

```
.text, #text, p{  
    color:rgb(49, 44, 18)  
}
```

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, 44, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 44, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 17.631, 96.628 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, 44, 18) }
```

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

```
.border{ border-color:rgb(49, 44, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 44, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 44, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 44, 18);  
box-shadow:4px 4px 4px 4px rgb(49, 44, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 17.631, 96.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 44, 18) }
```

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

```
.background{ background-color: rgb(49, 44,  
18) }
```

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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