

Converting Colors

CIELCh(18, 1.231, 192.314)

Have a look what the booklet for
CIELCh(18, 1.231, 192.314) contains.

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Color

CIELCh(18, 1.579, 173.306)

Conversions

Conversions Part 1

Format	Color
Hex	2A2D2C
RGB	42, 45, 44
RGB Percent	16%, 18%, 17%
CMY	0.8365, 0.8248, 0.8287
CMYK	0.07, 0.00, 0.02, 0.82
HSL	160°, 3%, 17%
HSV	160°, 7%, 18%
XYZ	2.3173, 2.5180, 2.7160
YIQ	43.9890, -1.4670, -0.9470

Conversions

Conversions Part 2

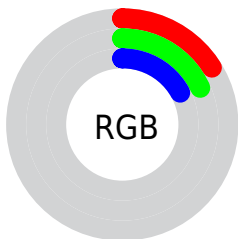
Format	Color
R_YB	42, 44, 45
Decimal	2764076
CIE Lab	18.00, -1.57, 0.18
CIE LCh	18, 1.579, 173.306
Yxy	2.5180, 0.3069, 0.3335
Android (android.graphics.Color)	4280954156 (0xFF2A2D2C)
YUV	43.9890, 0.0054, -1.7444
Hunter-Lab	15.8683, -1.7026, 0.9599

Details

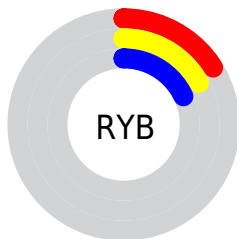
The CIELCh color **18, 1.579, 173.306** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 1.604, 354.079**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 2.094, 163.429**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 3.918, 172.461**, and if you desaturate by 10%, it is **18, 0.779, 353.701**.

Distribution



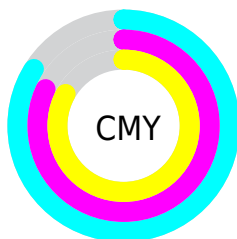
- Red (16%)
- Green (18%)
- Blue (17%)



- Red (16%)
- Yellow (17%)
- Blue (18%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (82%)



- Cyan (84%)
- Magenta (82%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 1.579, 173.306 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, 1.579, 173.306 by changing the saturation by 10% instead.

■ 18, 1.579, 173.306

■ 18, 1.579, 173.306

■ 100, 1.579,
173.306

■ 8, 1.579, 173.306

■ 38, 1.579, 173.306

■ 0, 1.579, 173.306

■ 48, 1.579, 173.306

■ 58, 1.579, 173.306

■ 68, 1.579, 173.306

■ 78, 1.579, 173.306

■ 88, 1.579, 173.306

■ 98, 1.579, 173.306

■ 18, 1.579, 173.306

■ 18, 1.579, 173.306

■ 18, 3.918, 172.461

■ 18, 0.779, 353.701

■ 17, 6.216, 171.626

■ 19, 3.142, 354.549

■ 17, 8.450, 170.741

■ 20, 5.495, 355.226

■ 16, 10.596,
169.790

■ 20, 7.827, 355.861

■ 16, 12.628,
168.760

■ 21, 10.129,
356.466

■ 16, 14.519,
167.639

■ 21, 12.396,
357.046

■ 16, 16.247,
166.411

■ 22, 14.624,
357.603

■ 15, 17.899,
165.237

■ 23, 16.808,
358.140

■ 15, 19.619,

■ 23, 18.949,
358.658

164.319

Harmonies

Complementary

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



18, 1.579, 173.306



17, 1.604, 354.079

Rectangle

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



18, 1.579, 173.306



18, 1.579, 223.306



18, 1.579, 353.306



18, 1.579, 43.306

Sweetspot

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



18, 1.580, 173.293



25, 0.591, 173.858



18, 2.273, 133.931



11, 0.340, 173.940



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



18, 1.580, 173.293



24, 2.368, 173.138



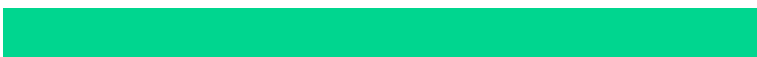
18, 1.226, 214.023



7, 1.249, 173.104



32, 32.549, 161.160



76, 64.831, 159.059

Inverse Universe

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



17, 1.604, 354.079



23, 2.412, 354.238



17, 1.268, 33.709



7, 1.237, 354.267



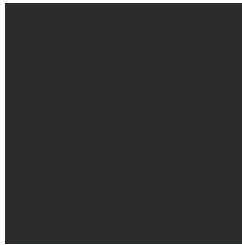
16, 38.784, 13.339



45, 75.964, 18.638

Previews

White Background



This preview shows how the CIELCh color 18, 1.579, 173.306 looks on a white background.

Color Contrast Check

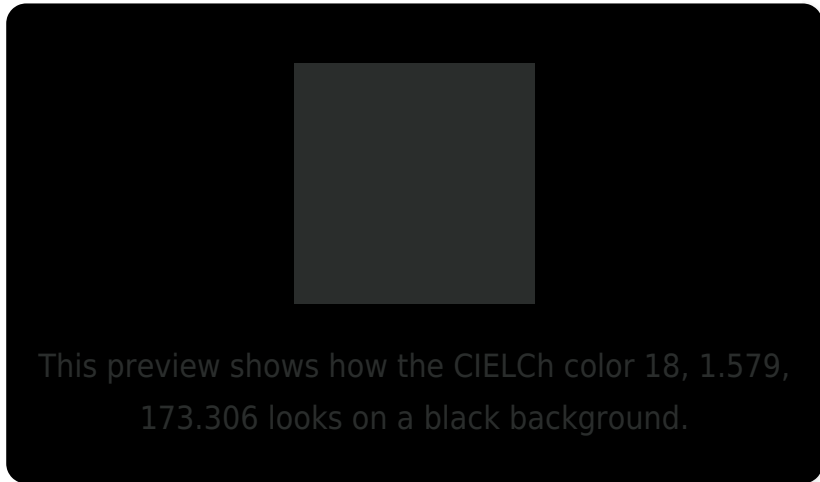
Large Text (above 18pt) WCAG AA ✓ Pass

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

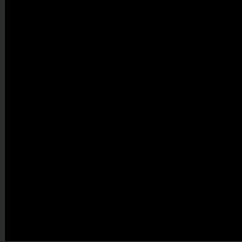
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

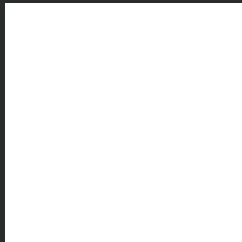
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 1.579, 173.306

Background



This preview shows how black text looks on a background with the CIELCh color 18, 1.579, 173.306.

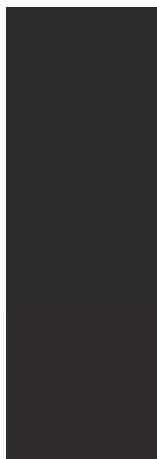


This preview shows how white text looks on a background with the CIELCh color 18, 1.579, 173.306.

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, 1.579, 173.306

Protanopia

18, 0.833, 74.827

Deuteranopia

18, 2.504, 3.975



Tritanopia
18, 2.893, 272.510

Trichromacy



Original Color

18, 1.579, 173.306

Protanomaly

18, 0.686, 109.970

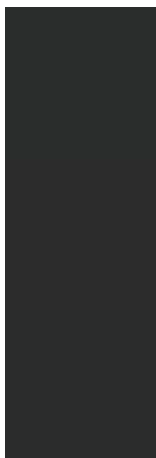
Deuteranomaly

18, 0.955, 19.410

Tritanomaly

18, 1.650, 256.403

Monochromacy



Original Color

18, 1.579, 173.306

Achromatopsia

18, 0.003, 296.813

Achromatomaly

18, 0.472, 199.715

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 1.579, 173.306 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(42, 45, 44)` looks like.

```
.text, #text, p{  
    color:rgb(42, 45, 44)  
}
```

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(42, 45, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 45, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 1.579, 173.306 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(42, 45, 44) }
```

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

```
.border{ border-color:rgb(42, 45, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 45, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 45, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 45, 44);  
box-shadow:4px 4px 4px 4px rgb(42, 45, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 1.579, 173.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 45, 44) }
```

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

```
.background{ background-color: rgb(42, 45,  
44) }
```

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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