

Converting Colors

CIELCh(9, 1.785, 169.727)

Have a look what the booklet for
CIELCh(9, 1.785, 169.727) contains.

CIELCh(9, 1.705, 173.034)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(9, 1.705, 173.034)

Conversions

Conversions Part 1

Format	Color
Hex	171A19
RGB	23, 26, 25
RGB Percent	9%, 10%, 10%
CMY	0.9092, 0.8974, 0.9013
CMYK	0.11, 0.00, 0.04, 0.90
HSL	160°, 6%, 10%
HSV	160°, 11%, 10%
XYZ	0.9073, 1.0010, 1.0743
YIQ	24.9890, -1.4670, -0.9470

Conversions

Conversions Part 2

Format	Color
RYB	23, 25, 26
Decimal	1514009
CIELab	9.00, -1.69, 0.21
CIElCh	9, 1.705, 173.034
Yxy	1.0010, 0.3042, 0.3356
Android (android.graphics.Color)	4279704089 (0xFF171A19)
YUV	24.9890, 0.0054, -1.7444
Hunter-Lab	10.0051, -1.3217, 0.6371

Details

The CIELCh color **9, 1.705, 173.034** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **8, 1.741, 354.354**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **29, 1.877, 179.176**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 3.178, 172.325**, and if you desaturate by 10%, it is **9, 0.219, 174.146**.

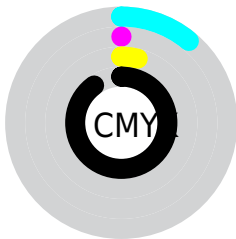
Distribution



- Red (9%)
- Green (10%)
- Blue (10%)



- Red (9%)
- Yellow (10%)
- Blue (10%)



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (90%)



- Cyan (91%)
- Magenta (90%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 9, 1.705, 173.034 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 9, 1.705, 173.034 by changing the saturation by 10% instead.

■ 9, 1.705, 173.034 ■ 9, 1.705, 173.034

■ 99, 1.705, 173.034 ■ 0, 1.705, 173.034

■ 29, 1.705, 173.034

■ 39, 1.705, 173.034

■ 49, 1.705, 173.034

■ 59, 1.705, 173.034

■ 69, 1.705, 173.034

■ 79, 1.705, 173.034

■ 89, 1.705, 173.034

■ 9, 1.705, 173.034 ■ 9, 1.705, 173.034

■ 9, 3.178, 172.325

■ 9, 0.219, 174.146

■ 8, 4.562, 171.490

■ 10, 1.273, 354.096

■ 8, 5.803, 170.556

■ 10, 2.765, 354.727

■ 8, 6.908, 169.651

■ 10, 4.249, 355.298

■ 8, 7.895, 168.713

■ 11, 5.721, 355.840

■ 8, 8.823, 167.901

■ 11, 7.178, 356.360

■ 7, 9.741, 167.345

■ 11, 8.616, 356.861

■ 7, 10.649, 166.977

■ 12, 10.033,
357.345

■ 7, 11.414, 166.775

■ 12, 11.427,
357.813

Harmonies

Complementary

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



9, 1.705, 173.034



8, 1.741, 354.354

Rectangle

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



9, 1.705, 173.034



9, 1.705, 223.034



9, 1.705, 353.034



9, 1.705, 43.034

Sweetspot

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



9, 1.705, 173.025



13, 0.547, 173.732



9, 2.460, 133.814



5, 0.323, 173.683



60, 0.008, 296.813



5, 0.002, 296.812

Same Dimension

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



9, 1.705, 173.025



12, 2.549, 172.770



9, 1.316, 213.990



3, 0.445, 173.287



28, 29.674, 161.601



73, 62.424, 159.134

Inverse Universe

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



8, 1.741, 354.354



11, 2.618, 354.622



8, 1.384, 33.738



3, 0.442, 354.081



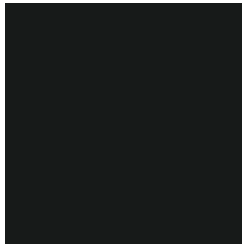
13, 35.523, 12.251



43, 73.174, 18.445

Previews

White Background



This preview shows how the CIELCh color 9, 1.705, 173.034 looks on a white background.

Color Contrast Check

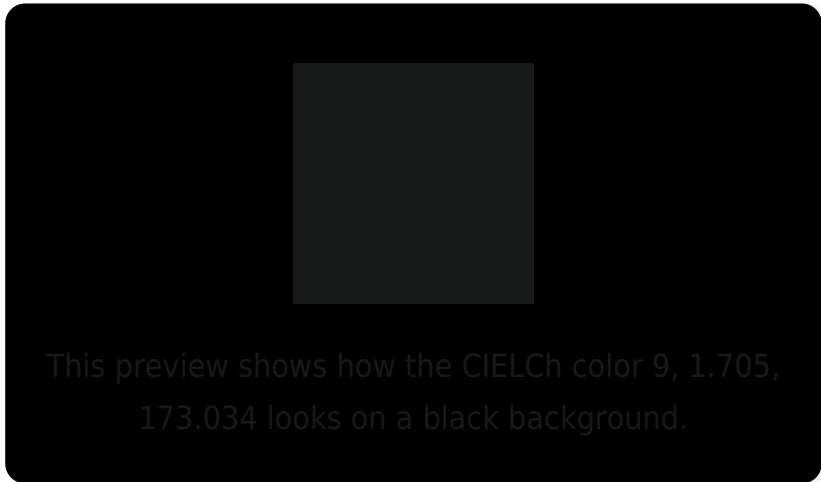
Large Text (above 18pt) WCAG AA ✓ Pass

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

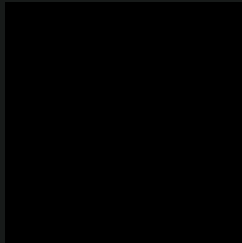
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

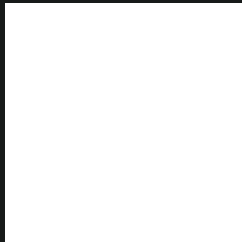
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 9, 1.705, 173.034

Background



This preview shows how black text looks on a background with the CIELCh color 9, 1.705, 173.034.

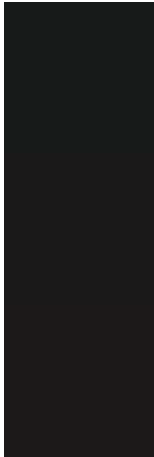


This preview shows how white text looks on a background with the CIELCh color 9, 1.705, 173.034.

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

9, 1.705, 173.034

Protanopia

9, 0.516, 19.286

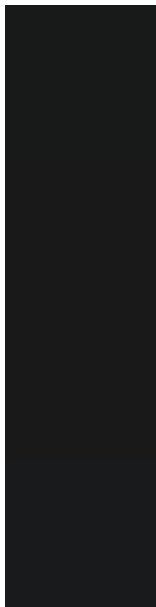
Deuteranopia

9, 1.564, 19.784



Tritanopia
9, 1.769, 256.802

Trichromacy



Original Color

9, 1.705, 173.034

Protanomaly

9, 0.002, 296.813

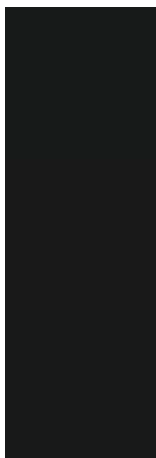
Deuteranomaly

9, 0.516, 19.286

Tritanomaly

9, 1.234, 236.480

Monochromacy



Original Color

9, 1.705, 173.034

Achromatopsia

9, 0.002, 296.813

Achromatomaly

9, 0.510, 199.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 9, 1.705, 173.034 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(23, 26, 25)` looks like.

```
.text, #text, p{  
    color:rgb(23, 26, 25)  
}
```

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(23, 26, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 26, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 9, 1.705, 173.034 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(23, 26, 25) }
```

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

```
.border{ border-color:rgb(23, 26, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 26, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 26, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 26, 25);  
box-shadow:4px 4px 4px 4px rgb(23, 26, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 9, 1.705, 173.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 26, 25) }
```

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

```
.background{ background-color: rgb(23, 26,  
25) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor