

Converting Colors

CIELCh(17, 30.523, 139.720)

Have a look what the booklet for
CIELCh(17, 30.523, 139.720)
contains.

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Color

CIELCh(17, 30.405, 139.716)

Conversions

Conversions Part 1

Format	Color
Hex	09310A
RGB	9, 49, 10
RGB Percent	4%, 19%, 4%
CMY	0.9636, 0.8068, 0.9593
CMYK	0.81, 0.00, 0.79, 0.81
HSL	122°, 68%, 11%
HSV	122°, 81%, 19%
XYZ	1.2829, 2.3023, 0.6747
YIQ	32.5940, -11.3210, -20.6090

Conversions

Conversions Part 2

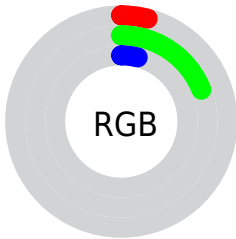
Format	Color
R_{YB}	9, 48, 49
Decimal	602378
CIE _{Lab}	17.00, -23.19, 19.66
CIE _{LCh}	17, 30.405, 139.716
Yxy	2.3023, 0.3011, 0.5405
Android (android.graphics.Color)	4278792458 (0xFF09310A)
YUV	32.5940, -11.1388, -20.6919
Hunter-Lab	15.1734, -11.4618, 7.9848

Details

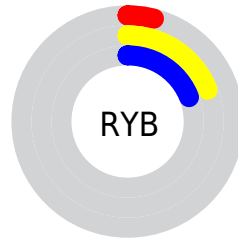
The CIELCh color **17, 30.405, 139.716** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **10, 30.157, 328.571**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 30.550, 139.742**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 32.940, 139.648**, and if you desaturate by 10%, it is **17, 27.604, 140.123**.

Distribution



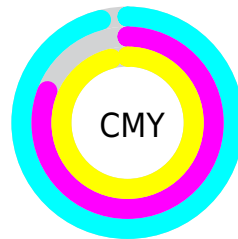
- Red (4%)
- Green (19%)
- Blue (4%)



- Red (4%)
- Yellow (19%)
- Blue (19%)



- Cyan (81%)
- Magenta (0%)
- Yellow (79%)
- Black (81%)



- Cyan (96%)
- Magenta (81%)
- Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 30.405, 139.716 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, 30.405, 139.716 by changing the saturation by 10% instead.

■ 17, 30.405,
139.716

■ 17, 30.405,
139.716

■ 100, 30.405,
139.716

■ 7, 30.405, 139.716

■ 37, 30.405,
139.716

■ 0, 30.405, 139.716

■ 47, 30.405,
139.716


■ 57, 30.405,
139.716


■ 67, 30.405,
139.716


■ 77, 30.405,
139.716


■ 87, 30.405,


139.716


 97, 30.405,
139.716


 17, 30.405,
139.716


 17, 30.405,
139.716


 17, 32.940,
139.648

 17, 27.604,
140.123

 17, 35.258,
139.713

 18, 24.221,
140.958

 18, 20.516,
141.863

 18, 16.625,
142.686

 19, 12.621,
143.422

■ 19, 8.563, 144.074

■ 20, 4.498, 144.652

■ 20, 0.464, 145.340

■ 21, 3.513, 325.528

Harmonies

Complementary

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



17, 30.405, 139.716



10, 30.157, 328.571

Rectangle

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



17, 30.405, 139.716



17, 30.405, 189.716



17, 30.405, 319.716



17, 30.405, 9.716

Sweetspot

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



17, 30.405, 139.716



25, 12.064, 143.816



20, 24.647, 105.193



12, 8.379, 143.757



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, 30.405, 139.716



23, 42.332, 137.439



17, 21.153, 156.520



9, 2.286, 144.825



32, 54.995, 136.529



76, 105.479, 136.198

Inverse Universe

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



10, 30.157, 328.571



12, 41.139, 329.131



9, 22.411, 353.285



8, 2.291, 325.529



19, 52.667, 329.270



51, 100.032, 329.363

Previews

White Background



This preview shows how the CIELCh color 17, 30.405, 139.716 looks on a white background.

Color Contrast Check

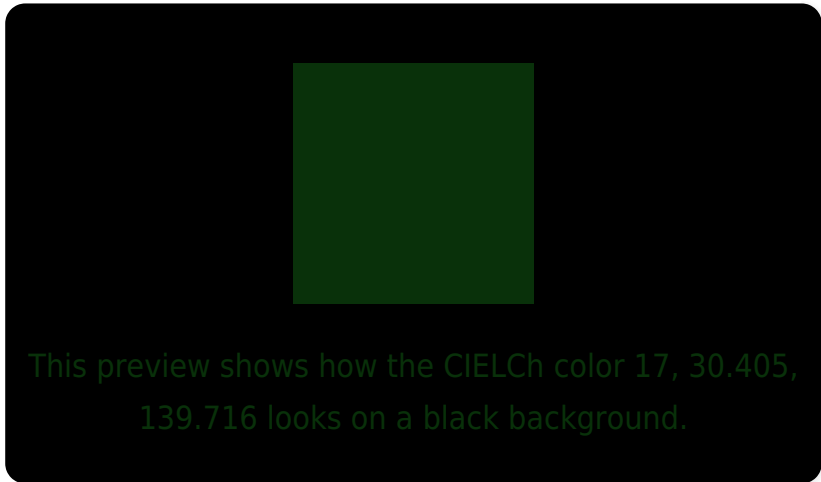
Large Text (above 18pt) WCAG AA ✓ Pass

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

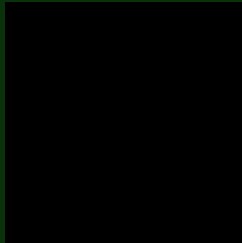
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 30.405, 139.716

Background



This preview shows how black text looks on a background with the CIELCh color 17, 30.405, 139.716.



This preview shows how white text looks on a background with the CIELCh color 17, 30.405, 139.716.

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](#).

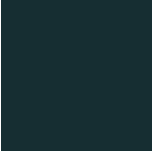
Dichromacy



Original Color
17, 30.405, 139.716

Protanopia
17, 20.948, 95.641

Deuteranopia
17, 18.443, 82.146



Tritanopia
17, 9.707, 214.414

Trichromacy



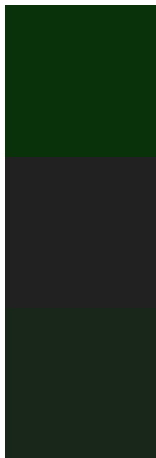
Original Color
17, 30.405, 139.716

Protanomaly
17, 22.785, 119.965

Deuteranomaly
16, 19.750, 114.816

Tritanomaly
17, 15.003, 165.698

Monochromacy



Original Color
17, 30.405, 139.716

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 12.421, 144.131

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 30.405, 139.716 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(9, 49, 10)` looks like.

```
.text, #text, p{  
    color:rgb(9, 49, 10)  
}
```

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(9, 49, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 49, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 30.405, 139.716 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(9, 49, 10) }
```

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

```
.border{ border-color:rgb(9, 49, 10) }
```

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

Here you see how a box with a 4 pixel rgb(9, 49, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 49, 10); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 49, 10); box-shadow:4px  
4px 4px 4px rgb(9, 49, 10) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 30.405, 139.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 49, 10) }
```

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

```
.background{ background-color: rgb(9, 49,  
10) }
```

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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