

Converting Colors

CIELCh(10, 4.049, 37.208)

Have a look what the booklet for
CIELCh(10, 4.049, 37.208) contains.

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Color

CIELCh(10, 4.048, 41.546)

Conversions

Conversions Part 1

Format	Color
Hex	211A18
RGB	33, 26, 24
RGB Percent	13%, 10%, 9%
CMY	0.8707, 0.8982, 0.9060
CMYK	0.00, 0.21, 0.27, 0.87
HSL	13°, 16%, 11%
HSV	13°, 27%, 13%
XYZ	1.1594, 1.1260, 1.0187
YIQ	27.8650, 4.8140, 0.8620

Conversions

Conversions Part 2

Format	Color
R_YB	33, 27, 24
Decimal	2169368
CIE Lab	10.00, 3.03, 2.68
CIE LCh	10, 4.048, 41.546
Yxy	1.1260, 0.3509, 0.3408
Android (android.graphics.Color)	4280359448 (0xFF211A18)
YUV	27.8650, -1.9054, 4.5034
Hunter-Lab	10.6114, 0.9331, 1.7362

Details

The CIELCh color **10, 4.048, 41.546** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **11, 3.546, 223.126**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 3.848, 39.199**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 5.642, 40.770**, and if you desaturate by 10%, it is **11, 2.487, 41.671**.

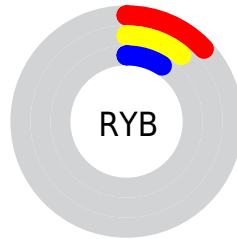
Distribution



 Red (13%)

 Green (10%)

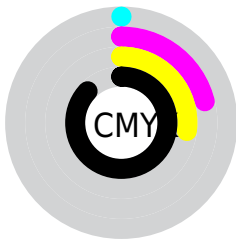
 Blue (9%)



 Red (13%)

 Yellow (11%)

 Blue (9%)

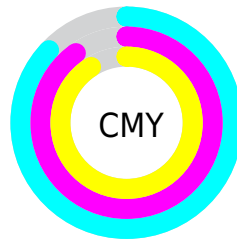


 Cyan (0%)

 Magenta (21%)

 Yellow (27%)

 Black (87%)



 Cyan (87%)

 Magenta (90%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 4.048, 41.546 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 10, 4.048, 41.546 by changing the saturation by 10% instead.

■ 10, 4.048, 41.546

■ 10, 4.048, 41.546

■ 100, 4.048, 41.546

■ 0, 4.048, 41.546

■ 30, 4.048, 41.546

■ 40, 4.048, 41.546

■ 50, 4.048, 41.546

■ 60, 4.048, 41.546

■ 70, 4.048, 41.546

■ 80, 4.048, 41.546

■ 90, 4.048, 41.546

■ 10, 4.048, 41.546

■ 10, 4.048, 41.546

■ 9, 5.642, 40.770

■ 11, 2.487, 41.671

■ 8, 7.119, 38.280

■ 12, 1.018, 41.773

■ 7, 8.432, 35.703

■ 13, 0.367, 222.602

■ 6, 9.505, 33.880

■ 14, 1.675, 222.534

■ 6, 10.393, 32.752

■ 15, 2.912, 222.791

■ 5, 11.200, 32.733

■ 16, 4.084, 223.093

■ 5, 11.958, 33.317

■ 17, 5.197, 223.415

■ 4, 12.162, 33.466

■ 18, 6.258, 223.750

■ 19, 7.270, 224.093

Harmonies

Complementary

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



10, 4.048, 41.546



11, 3.546, 223.126

Rectangle

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



10, 4.048, 41.546



10, 4.048, 91.546



10, 4.048, 221.546



10, 4.048, 271.546

Sweetspot

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



10, 4.048, 41.556



17, 1.416, 41.769



10, 6.891, 332.419



7, 0.935, 41.058



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



10, 4.048, 41.556



14, 6.343, 41.500



12, 4.865, 92.400



4, 0.453, 41.182



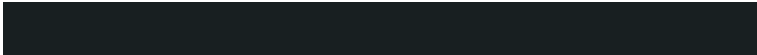
16, 36.898, 41.162



46, 84.060, 44.032

Inverse Universe

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



11, 3.546, 223.126



15, 5.312, 223.569



10, 4.899, 277.755



4, 0.451, 223.026



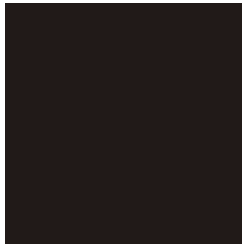
24, 18.826, 236.253



62, 38.071, 240.758

Previews

White Background



This preview shows how the CIELCh color 10, 4.048, 41.546 looks on a white background.

Color Contrast Check

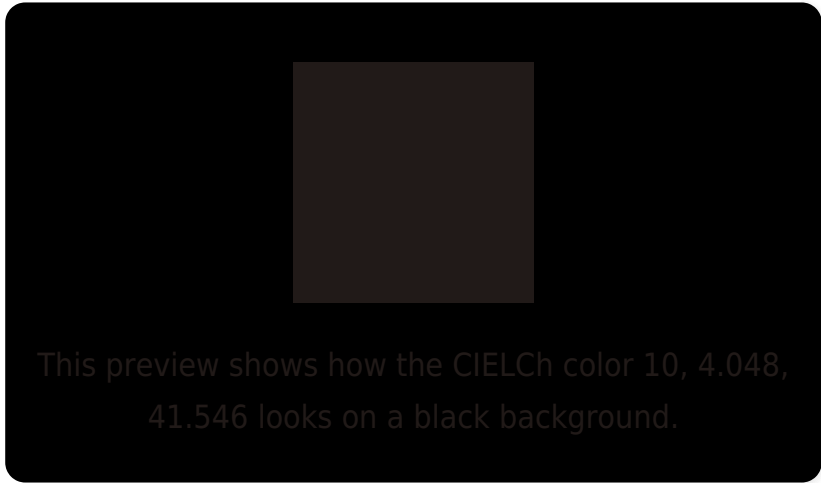
Large Text (above 18pt) WCAG AA ✓ Pass

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

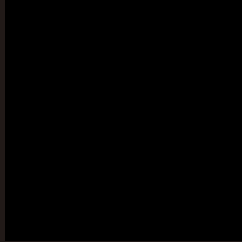
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 4.048, 41.546

Background



This preview shows how black text looks on a background with the CIELCh color 10, 4.048, 41.546.

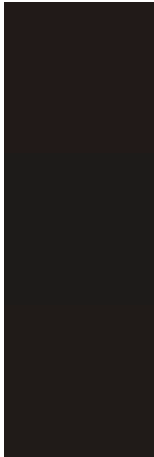


This preview shows how white text looks on a background with the CIELCh color 10, 4.048, 41.546.

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

10, 4.048, 41.546

Protanopia

10, 1.803, 74.158

Deuteranopia

10, 3.474, 59.090



Tritanopia

10, 4.414, 1.331

Trichromacy



Original Color

10, 4.048, 41.546

Protanomaly

10, 2.155, 62.611

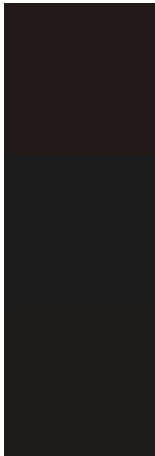
Deuteranomaly

10, 3.474, 59.090

Tritanomaly

10, 4.267, 10.805

Monochromacy



Original Color

10, 4.048, 41.546

Achromatopsia

10, 0.003, 296.813

Achromatomaly

10, 1.547, 19.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 4.048, 41.546 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(33, 26, 24)` looks like.

```
.text, #text, p{  
    color:rgb(33, 26, 24)  
}
```

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(33, 26, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 26, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 4.048, 41.546 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(33, 26, 24) }
```

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

```
.border{ border-color:rgb(33, 26, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 26, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 26, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 26, 24);  
box-shadow:4px 4px 4px 4px rgb(33, 26, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 4.048, 41.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 26, 24) }
```

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

```
.background{ background-color: rgb(33, 26,  
24) }
```

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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