

Converting Colors

CIELCh(10, 4.720, 47.937)

Have a look what the booklet for
CIELCh(10, 4.720, 47.937) contains.

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Color

CIELCh(10, 4.901, 46.995)

Conversions

Conversions Part 1

Format	Color
Hex	221A17
RGB	34, 26, 23
RGB Percent	13%, 10%, 9%
CMY	0.8676, 0.8989, 0.9107
CMYK	0.00, 0.24, 0.33, 0.87
HSL	16°, 19%, 11%
HSV	16°, 33%, 13%
XYZ	1.1689, 1.1260, 0.9548
YIQ	28.0500, 5.7310, 0.7630

Conversions

Conversions Part 2

Format	Color
R_YB	34, 27, 23
Decimal	2234903
CIE Lab	10.00, 3.34, 3.58
CIE LCh	10, 4.901, 46.995
Yxy	1.1260, 0.3597, 0.3465
Android (android.graphics.Color)	4280424983 (0xFF221A17)
YUV	28.0500, -2.4896, 5.2182
Hunter-Lab	10.6114, 1.0928, 2.0930

Details

The CIELCh color **10, 4.901, 46.995** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **11, 4.212, 230.160**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 4.861, 51.453**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 6.456, 45.509**, and if you desaturate by 10%, it is **11, 3.295, 47.303**.

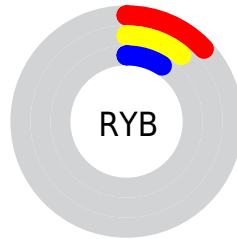
Distribution



Red (13%)

Green (10%)

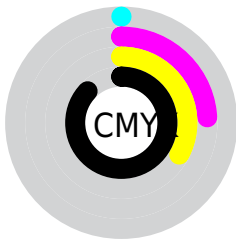
Blue (9%)



Red (13%)

Yellow (11%)

Blue (9%)

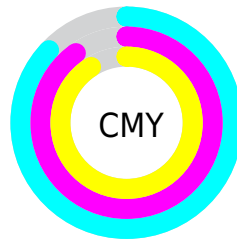


Cyan (0%)

Magenta (24%)

Yellow (33%)

Black (87%)



Cyan (87%)

Magenta (90%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 4.901, 46.995 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, 4.901, 46.995 by changing the saturation by 10% instead.

 10, 4.901, 46.995  10, 4.901, 46.995

 100, 4.901, 46.995  0, 4.901, 46.995

 30, 4.901, 46.995

 40, 4.901, 46.995



 50, 4.901, 46.995

 60, 4.901, 46.995

 70, 4.901, 46.995

 80, 4.901, 46.995

 90, 4.901, 46.995

 10, 4.901, 46.995  10, 4.901, 46.995

■ 9, 6.456, 45.509

■ 11, 3.295, 47.303

■ 8, 7.862, 42.688

■ 12, 1.779, 47.621

■ 7, 9.113, 39.670

■ 13, 0.349, 47.657

■ 7, 10.147, 37.371

■ 14, 1.004, 228.685

■ 6, 11.033, 36.313

■ 15, 2.284, 229.043

■ 5, 11.838, 36.340

■ 16, 3.500, 229.479

■ 5, 12.406, 36.826

■ 17, 4.657, 229.937

■ 18, 5.761, 230.404

■ 19, 6.816, 230.875

Harmonies

Complementary

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



10, 4.901, 46.995



11, 4.212, 230.160

Rectangle

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



10, 4.901, 46.995



10, 4.901, 96.995



10, 4.901, 226.995



10, 4.901, 276.995

Sweetspot

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



10, 4.901, 47.004



16, 1.748, 47.676



9, 8.102, 334.643



7, 1.092, 46.793



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, 4.901, 47.004



13, 7.476, 46.780



12, 6.227, 95.401



5, 0.582, 47.091



17, 37.255, 44.437



48, 82.825, 45.933

Inverse Universe

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



11, 4.212, 230.160



15, 6.117, 230.953



9, 6.355, 281.723



5, 0.581, 229.336



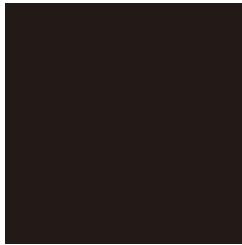
23, 20.011, 246.352



59, 40.640, 251.333

Previews

White Background



This preview shows how the CIELCh color 10, 4.901, 46.995 looks on a white background.

Color Contrast Check

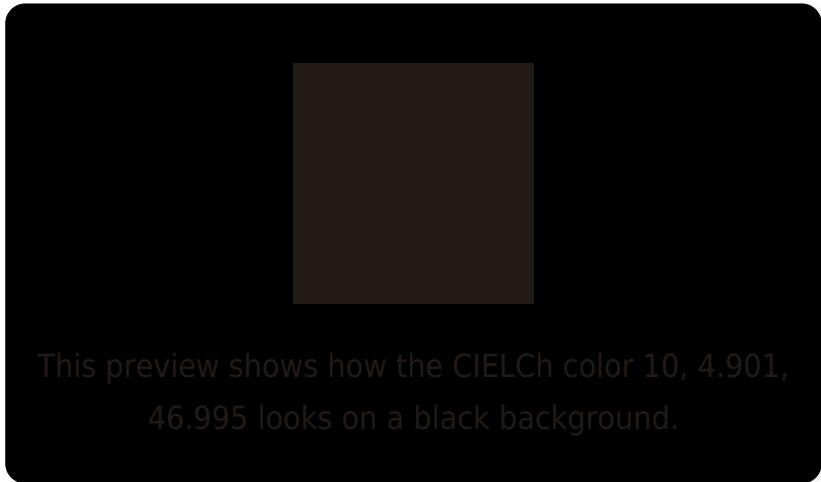
Large Text (above 18pt) WCAG AA ✓ Pass

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

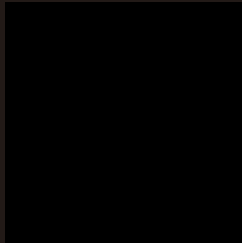
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 4.901, 46.995

Background



This preview shows how black text looks on a background with the CIELCh color 10, 4.901, 46.995.

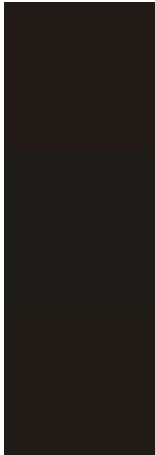


This preview shows how white text looks on a background with the CIELCh color 10, 4.901, 46.995.

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, 4.901, 46.995

Protanopia

10, 2.977, 98.981

Deuteranopia

10, 4.002, 66.790



Tritanopia
10, 4.918, 3.597

Trichromacy



Original Color

10, 4.901, 46.995

Protanomaly

10, 3.071, 65.466

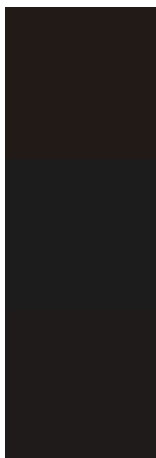
Deuteranomaly

10, 4.399, 61.583

Tritanomaly

10, 4.795, 20.829

Monochromacy



Original Color

10, 4.901, 46.995

Achromatopsia

10, 0.003, 296.813

Achromatomaly

10, 1.724, 44.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 4.901, 46.995 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(34, 26, 23)` looks like.

```
.text, #text, p{  
    color:rgb(34, 26, 23)  
}
```

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(34, 26, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 26, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 4.901, 46.995 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(34, 26, 23) }
```

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

```
.border{ border-color:rgb(34, 26, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 26, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 26, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 26, 23);  
box-shadow:4px 4px 4px 4px rgb(34, 26, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 4.901, 46.995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 26, 23) }
```

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

```
.background{ background-color: rgb(34, 26,  
23) }
```

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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