

Converting Colors

CIELCh(46, 19.510, 174.538)

Have a look what the booklet for
CIELCh(46, 19.510, 174.538)
contains.

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Color

CIELCh(46, 19.720, 174.081)

Conversions

Conversions Part 1

Format	Color
Hex	467669
RGB	70, 118, 105
RGB Percent	27%, 46%, 41%
CMY	0.7256, 0.5374, 0.5884
CMYK	0.41, 0.00, 0.11, 0.54
HSL	164°, 26%, 37%
HSV	164°, 41%, 46%
XYZ	11.5457, 15.2687, 15.6941
YIQ	102.1660, -24.4350, -14.2190

Conversions

Conversions Part 2

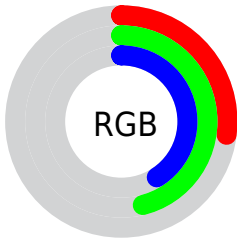
Format	Color
R_{YB}	70, 98, 118
Decimal	4617833
CIE _{Lab}	46.00, -19.61, 2.03
CIE _{LCh}	46, 19.720, 174.081
Yxy	15.2687, 0.2716, 0.3592
Android (android.graphics.Color)	4282807913 (0xFF467669)
YUV	102.1660, 1.3972, -28.2096
Hunter-Lab	39.0751, -15.6394, 3.5394

Details

The CIELCh color **46, 19.720, 174.081** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 22.450, 2.721**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 19.462, 174.189**, and **26, 19.543, 174.565** is the 20% darker color. If you saturate the color by 10%, you get **45, 23.917, 172.900**, and if you desaturate by 10%, it is **47, 15.189, 175.164**.

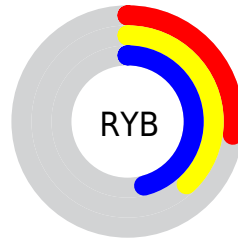
Distribution



Red (27%)

Green (46%)

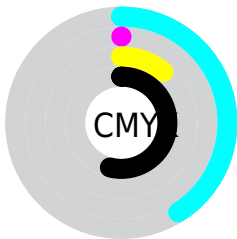
Blue (41%)



Red (27%)

Yellow (38%)

Blue (46%)

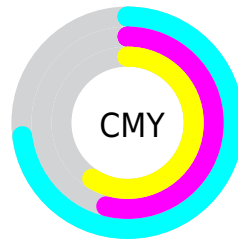


Cyan (41%)

Magenta (0%)

Yellow (11%)

Black (54%)



Cyan (73%)


Magenta (54%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 19.720, 174.081 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 46, 19.720, 174.081 by changing the saturation by 10% instead.


 46, 19.720,
174.081


 46, 19.720,
174.081


 100, 19.720,
174.081


 36, 19.720,
174.081

 66, 19.720,
174.081


 26, 19.720,
174.081

 76, 19.720,
174.081

 16, 19.720,
174.081

 86, 19.720,
174.081

 6, 19.720, 174.081

 96, 19.720,
174.081

 0, 19.720, 174.081

 46, 19.720,

 46, 19.720,

174.081

174.081

■ 45, 23.917,
172.900

■ 47, 15.189,
175.164

■ 45, 27.704,
171.605

■ 48, 10.402,
176.173

■ 44, 31.020,
170.173

■ 49, 5.433, 177.135

■ 44, 33.826,
168.582

■ 50, 0.350, 178.899

■ 44, 36.118,
166.819

■ 51, 4.789, 358.715

■ 44, 38.002,
165.154

■ 52, 9.936, 359.542

■ 53, 15.054, 0.310

■ 55, 20.116, 1.042

■ 56, 25.101, 1.743

Harmonies

Complementary

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



46, 19.720, 174.081



36, 22.450, 2.721

Rectangle

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



46, 19.720, 174.081



46, 19.720, 224.081



46, 19.720, 354.081



46, 19.720, 44.081

Sweetspot

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



46, 19.721, 174.079



62, 7.535, 176.981



46, 31.584, 134.307



32, 4.964, 176.892



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 19.721, 174.079



58, 28.647, 172.957



43, 14.433, 223.945



24, 2.851, 177.296



45, 39.070, 165.067



88, 67.474, 163.827

Inverse Universe

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



36, 22.450, 2.721



43, 33.651, 4.405



38, 19.009, 40.996



23, 2.930, 358.760



25, 51.030, 21.459



53, 88.334, 24.867

Previews

White Background



This preview shows how the CIELCh color 46, 19.720, 174.081 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 × Fail

Black Background



This preview shows how the CIE LCh color 46, 19.720, 174.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

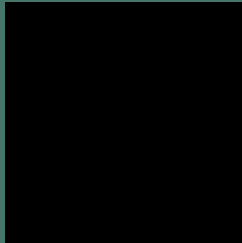
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 19.720, 174.081

Background



This preview shows how black text looks on a background with the CIELCh color 46, 19.720, 174.081.



This preview shows how white text looks on a background with the CIELCh color 46, 19.720, 174.081.

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


46, 19.720, 174.081

Protanopia

46, 5.023, 89.835

Deuteranopia

46, 6.092, 3.184



Tritanopia
46, 14.850, 219.288

Trichromacy



Original Color
46, 19.720, 174.081

Protanomaly
46, 8.590, 154.754

Deuteranomaly
46, 4.080, 173.060

Tritanomaly
46, 15.473, 199.944

Monochromacy



Original Color
46, 19.720, 174.081

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 7.865, 176.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 19.720, 174.081 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(70, 118, 105)` looks like.

```
.text, #text, p{  
    color:rgb(70, 118, 105)  
}
```

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(70, 118, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 118, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 19.720, 174.081 is called "border". The border property can be set on classes, ids or directly on the HTML element.

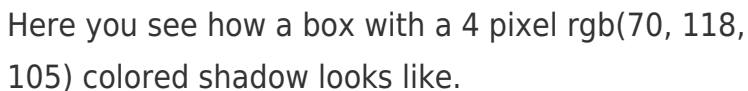
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(70, 118, 105) }
```

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

```
.border{ border-color:rgb(70, 118, 105) }
```

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



Here you see how a box with a 4 pixel `rgb(70, 118, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(70, 118, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(70, 118, 105); box-shadow:4px 4px 4px 4px rgb(70, 118, 105) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 19.720, 174.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 118, 105) }
```

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

```
.background{ background-color: rgb(70, 118,  
105) }
```

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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