

Converting Colors

CIELCh(46, 10.899, 226.079)

Have a look what the booklet for
CIELCh(46, 10.899, 226.079)
contains.

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Color

CIELCh(46, 10.811, 228.334)

Conversions

Conversions Part 1

Format	Color
Hex	57717A
RGB	87, 113, 122
RGB Percent	34%, 44%, 48%
CMY	0.6585, 0.5565, 0.5212
CMYK	0.29, 0.07, 0.00, 0.52
HSL	195°, 17%, 41%
HSV	195°, 29%, 48%
XYZ	13.3728, 15.2687, 20.6850
YIQ	106.2520, -18.3850, -2.7130

Conversions

Conversions Part 2

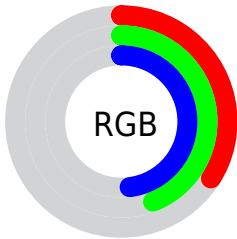
Format	Color
R_{YB}	87, 102, 122
Decimal	5730682
CIE _{Lab}	46.00, -7.19, -8.08
CIE _{LCh}	46, 10.811, 228.334
Yxy	15.2687, 0.2711, 0.3095
Android (android.graphics.Color)	4283920762 (0xFF57717A)
YUV	106.2520, 7.7638, -16.8840
Hunter-Lab	39.0751, -7.2931, -4.0334

Details

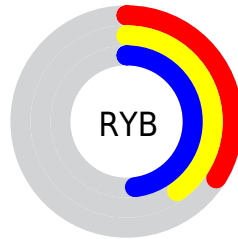
The CIELCh color **46, 10.811, 228.334** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 12.892, 45.195**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 10.661, 226.734**, and **26, 10.652, 227.820** is the 20% darker color. If you saturate the color by 10%, you get **44, 14.105, 229.460**, and if you desaturate by 10%, it is **48, 7.241, 227.463**.

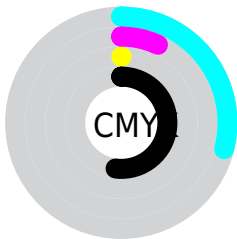
Distribution



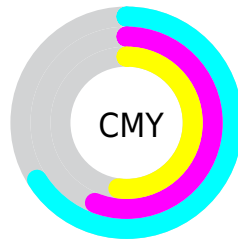
- Red (34%)
- Green (44%)
- Blue (48%)



- Red (34%)
- Yellow (40%)
- Blue (48%)



- Cyan (29%)
- Magenta (7%)
- Yellow (0%)
- Black (52%)





- Cyan (66%)
- Magenta (56%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 10.811, 228.334 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, 10.811, 228.334 by changing the saturation by 10% instead.


 46, 10.811,
228.334


 46, 10.811,
228.334


 100, 10.811,
228.334


 36, 10.811,
228.334

 66, 10.811,
228.334


 26, 10.811,
228.334


 76, 10.811,
228.334

 16, 10.811,
228.334

 86, 10.811,
228.334

 6, 10.811, 228.334

 96, 10.811,
228.334

 0, 10.811, 228.334

 46, 10.811,

 46, 10.811,

228.334

228.334

■ 44, 14.105,
229.460

■ 48, 7.241, 227.463

■ 43, 17.073,
230.914

■ 50, 3.443, 226.840

■ 41, 19.672,
232.761

■ 52, 0.536, 45.536

■ 40, 21.872,
235.083

■ 55, 8.885, 45.499

■ 38, 23.667,
237.960

■ 57, 13.191, 45.303

■ 37, 25.089,
241.455

■ 60, 17.551, 45.162

■ 36, 26.304,
245.358

■ 62, 21.946, 45.066

■ 64, 26.360, 45.006

■ 36, 26.474,
245.858

Harmonies

Complementary

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



46, 10.811, 228.334



43, 12.892, 45.195

Rectangle

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



46, 10.811, 228.334



46, 10.811, 278.334



46, 10.811, 48.334



46, 10.811, 98.334

Sweetspot

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



46, 10.811, 228.329



63, 4.411, 226.867



48, 21.038, 150.236



32, 3.040, 226.929



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 10.811, 228.329



58, 15.530, 228.990



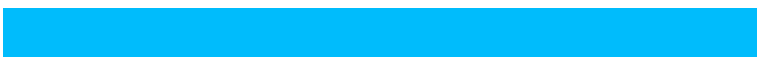
41, 16.162, 281.167



25, 2.239, 226.859



37, 26.934, 245.980



71, 46.052, 248.721

Inverse Universe

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



41, 21.079, 334.473



51, 30.833, 334.914



48, 15.858, 93.900



24, 4.120, 333.140



27, 56.323, 341.273



56, 93.938, 342.181

Previews

White Background



This preview shows how the CIE LCh color 46, 10.811, 228.334 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, 10.811, 228.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

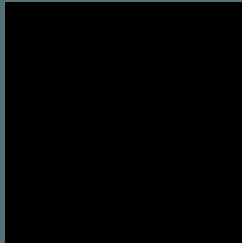
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

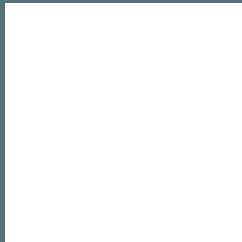
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 10.811, 228.334

Background



This preview shows how black text looks on a background with the CIELCh color 46, 10.811, 228.334.



This preview shows how white text looks on a background with the CIELCh color 46, 10.811, 228.334.

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, 10.811, 228.334

Protanopia

46, 6.545, 291.087

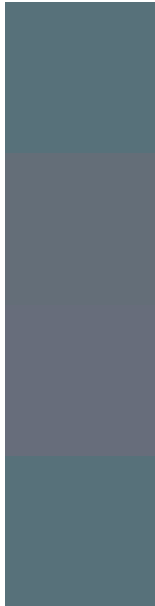
Deuteranopia

46, 11.009, 303.848



Tritanopia
46, 10.811, 228.334

Trichromacy



Original Color
46, 10.811, 228.334

Protanomaly
46, 6.993, 257.643

Deuteranomaly
46, 8.579, 275.808

Tritanomaly
46, 10.811, 228.334

Monochromacy



Original Color
46, 10.811, 228.334

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.303, 223.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 10.811, 228.334 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(87, 113, 122)` looks like.

```
.text, #text, p{  
    color:rgb(87, 113, 122)  
}
```

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(87, 113, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 113, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 10.811, 228.334 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(87, 113, 122) }
```

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

```
.border{ border-color:rgb(87, 113, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 113, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 113, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 113, 122);  
box-shadow:4px 4px 4px 4px rgb(87, 113,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 10.811, 228.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 113, 122) }
```

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

```
.background{ background-color: rgb(87, 113,  
122) }
```

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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