

Converting Colors

CIELCh(46, 10.821, 281.772)

Have a look what the booklet for
CIELCh(46, 10.821, 281.772)
contains.

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Color

CIELCh(46, 10.813, 281.591)

Conversions

Conversions Part 1

Format	Color
Hex	686D7F
RGB	104, 109, 127
RGB Percent	41%, 43%, 50%
CMY	0.5940, 0.5744, 0.5039
CMYK	0.18, 0.14, 0.00, 0.50
HSL	227°, 10%, 45%
HSV	227°, 18%, 50%
XYZ	14.8692, 15.2687, 22.0730
YIQ	109.5570, -8.7580, 4.5380

Conversions

Conversions Part 2

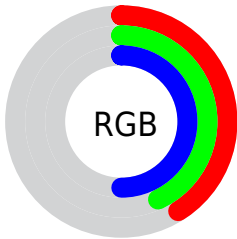
Format	Color
RYB	104, 108, 127
Decimal	6843775
CIELab	46.00, 2.17, -10.59
CIELCh	46, 10.813, 281.591
Yxy	15.2687, 0.2848, 0.2924
Android (android.graphics.Color)	4285033855 (0xFF686D7F)
YUV	109.5570, 8.5994, -4.8735
Hunter-Lab	39.0751, -0.4570, -6.1396

Details

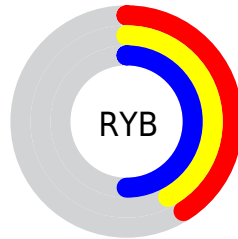
The CIELCh color $46, 10.813, 281.591$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 10.633, 97.290$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 11.192, 282.113$, and $26, 10.594, 281.396$ is the 20% darker color. If you saturate the color by 10%, you get $42, 16.992, 283.107$, and if you desaturate by 10%, it is $50, 4.800, 280.289$.

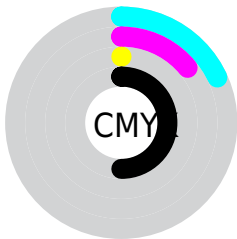
Distribution



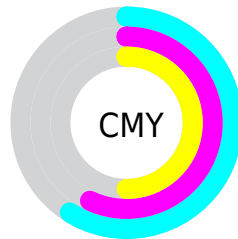
- Red (41%)
- Green (43%)
- Blue (50%)



- Red (41%)
- Yellow (42%)
- Blue (50%)



- Cyan (18%)
- Magenta (14%)
- Yellow (0%)
- Black (50%)



- Cyan (59%)
- Magenta (57%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 10.813, 281.591 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, 10.813, 281.591 by changing the saturation by 10% instead.

■ 46, 10.813,
281.591

■ 46, 10.813,
281.591

■ 100, 10.813,
281.591

■ 36, 10.813,
281.591

■ 66, 10.813,
281.591

■ 26, 10.813,
281.591

■ 76, 10.813,
281.591

■ 16, 10.813,
281.591

■ 86, 10.813,
281.591

■ 6, 10.813, 281.591

■ 96, 10.813,
281.591

■ 0, 10.813, 281.591

■ 46, 10.813,

■ 46, 10.813,

281.591

■ 42, 16.992,
283.107

■ 38, 23.354,
284.876

■ 34, 29.918,
286.923

■ 31, 36.700,
289.268

■ 27, 43.704,
291.903

■ 24, 50.890,
294.768

■ 20, 58.106,
297.731

■ 18, 65.046,
300.488

281.591

■ 50, 4.800, 280.289

■ 54, 1.054, 99.018

■ 58, 6.761, 98.130

■ 61, 12.327, 97.281

■ 65, 17.757, 96.532

■ 69, 23.058, 95.870

■ 73, 28.233, 95.283

■ 76, 33.288, 94.759

■ 80, 38.226, 94.288

■ 17, 66.263,
300.919

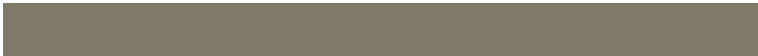
Harmonies

Complementary

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



46, 10.813, 281.591



51, 10.633, 97.290

Rectangle

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



46, 10.813, 281.591



46, 10.813, 331.591



46, 10.813, 101.591



46, 10.813, 151.591

Sweetspot

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



46, 10.812, 281.588



65, 3.607, 279.940



51, 9.494, 179.163



33, 2.450, 280.003



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 10.812, 281.588



57, 16.218, 282.218



45, 13.979, 301.704



25, 3.337, 280.401



17, 66.688, 300.943



0, 0.000, 0.000

Inverse Universe

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



46, 10.056, 3.639



57, 15.143, 4.144



52, 13.500, 119.485



25, 3.073, 2.669



26, 54.149, 26.171



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 10.813, 281.591 looks on a white background.

Color Contrast Check

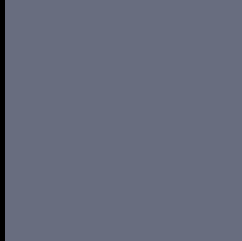
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.813, 281.591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

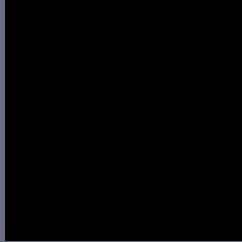
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

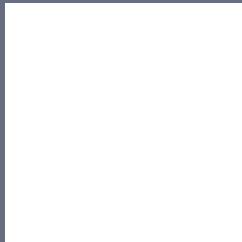
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 10.813, 281.591

Background



This preview shows how black text looks on a background with the CIELCh color 46, 10.813, 281.591.



This preview shows how white text looks on a background with the CIELCh color 46, 10.813, 281.591.

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, 10.813, 281.591

Protanopia

46, 10.716, 287.578

Deuteranopia

46, 12.689, 300.558



Tritanopia
46, 6.117, 260.442

Trichromacy



Original Color
46, 10.813, 281.591

Protanomaly
46, 10.742, 285.566

Deuteranomaly
46, 11.920, 293.641

Tritanomaly
46, 8.012, 274.531

Monochromacy



Original Color
46, 10.813, 281.591

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 3.642, 278.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 10.813, 281.591 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(104, 109, 127)` looks like.

```
.text, #text, p{  
    color:rgb(104, 109, 127)  
}
```

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(104, 109, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 109, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 10.813, 281.591 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(104, 109, 127) }
```

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

```
.border{ border-color:rgb(104, 109, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 109, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 109, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 109, 127);  
box-shadow:4px 4px 4px 4px rgb(104, 109,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 10.813, 281.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 109, 127) }
```

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

```
.background{ background-color: rgb(104,  
109, 127) }
```

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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