

Converting Colors

CIELCh(46, 5.649, 270.706)

Have a look what the booklet for
CIELCh(46, 5.649, 270.706) contains.

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Color

CIELCh(46, 5.658, 270.718)

Conversions

Conversions Part 1

Format	Color
Hex	686D76
RGB	104, 109, 118
RGB Percent	41%, 43%, 46%
CMY	0.5911, 0.5715, 0.5362
CMYK	0.12, 0.08, 0.00, 0.54
HSL	219°, 6%, 44%
HSV	219°, 12%, 46%
XYZ	14.5240, 15.2687, 19.4068
YIQ	108.5310, -5.8690, 1.7390

Conversions

Conversions Part 2

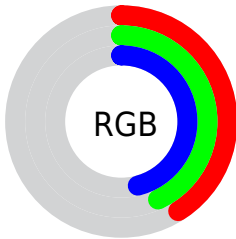
Format	Color
RYB	104, 108, 118
Decimal	6843766
CIELab	46.00, 0.07, -5.66
CIELCh	46, 5.658, 270.718
Yxy	15.2687, 0.2952, 0.3103
Android (android.graphics.Color)	4285033846 (0xFF686D76)
YUV	108.5310, 4.6682, -3.9737
Hunter-Lab	39.0751, -2.0343, -2.0940

Details

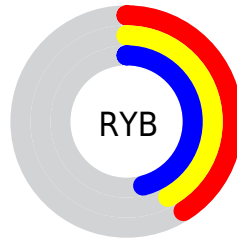
The CIELCh color **46, 5.658, 270.718** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 5.681, 87.720**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 5.812, 272.288**, and **26, 5.595, 269.150** is the 20% darker color. If you saturate the color by 10%, you get **43, 10.494, 272.192**, and if you desaturate by 10%, it is **49, 0.879, 269.584**.

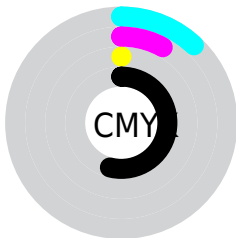
Distribution



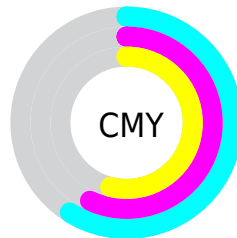
- Red (41%)
- Green (43%)
- Blue (46%)



- Red (41%)
- Yellow (42%)
- Blue (46%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (54%)



- Cyan (59%)
- Magenta (57%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 5.658, 270.718 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, 5.658, 270.718 by changing the saturation by 10% instead.

■ 46, 5.658, 270.718

■ 46, 5.658, 270.718

■ 100, 5.658,
270.718

■ 36, 5.658, 270.718

■ 66, 5.658, 270.718

■ 26, 5.658, 270.718

■ 76, 5.658, 270.718

■ 16, 5.658, 270.718

■ 86, 5.658, 270.718

■ 6, 5.658, 270.718

■ 96, 5.658, 270.718

■ 0, 5.658, 270.718

■ 46, 5.658, 270.718

■ 46, 5.658, 270.718

■ 43, 10.494,
272.192

■ 49, 0.879, 269.584

■ 40, 15.389,

■ 52, 3.838, 88.216

273.928

55, 8.493, 87.263

37, 20.346,
275.950

59, 13.083, 86.412

33, 25.375,
278.295

62, 17.606, 85.657

30, 30.492,
280.991

65, 22.060, 84.986

27, 35.722,
284.039

71, 30.760, 83.844

25, 41.085,
287.398

74, 35.005, 83.354

22, 46.578,
290.961

20, 51.151,
293.659

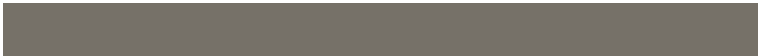
Harmonies

Complementary

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



46, 5.658, 270.718



48, 5.681, 87.720

Rectangle

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



46, 5.658, 270.718



46, 5.658, 320.718



46, 5.658, 90.718



46, 5.658, 140.718

Sweetspot

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



46, 5.657, 270.708



62, 2.353, 269.750



48, 6.392, 170.526



31, 1.662, 269.816



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, 5.657, 270.708



58, 8.269, 271.057



45, 8.424, 296.335



23, 2.667, 270.335



21, 52.624, 293.805



44, 94.514, 295.925

Inverse Universe

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



46, 6.522, 353.135



57, 9.559, 353.388



49, 8.214, 114.549



23, 3.064, 352.854



25, 49.475, 13.650



53, 84.743, 16.930

Previews

White Background



This preview shows how the CIELCh color 46, 5.658, 270.718 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, 5.658, 270.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

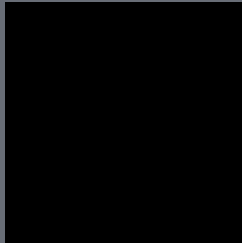
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

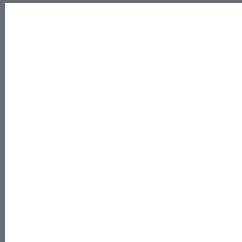
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 5.658, 270.718

Background



This preview shows how black text looks on a background with the CIELCh color 46, 5.658, 270.718.



This preview shows how white text looks on a background with the CIELCh color 46, 5.658, 270.718.

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, 5.658, 270.718

Protanopia

46, 5.950, 291.006

Deuteranopia

46, 8.566, 315.910



Tritanopia
46, 5.658, 270.718

Trichromacy



Original Color
46, 5.658, 270.718

Protanomaly
46, 5.957, 287.224

Deuteranomaly
46, 7.341, 303.583

Tritanomaly
46, 5.658, 270.718

Monochromacy



Original Color
46, 5.658, 270.718

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 1.947, 266.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 5.658, 270.718 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(104, 109, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 109, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 5.658, 270.718 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, 118) }
```

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

```
.border{ border-color:rgb(104, 109, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 109, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 109, 118);  
box-shadow:4px 4px 4px 4px rgb(104, 109,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 5.658, 270.718 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, 118) }
```

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

```
.background{ background-color: rgb(104,  
109, 118) }
```

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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