

Converting Colors

CIELCh(46, 10.971, 270.911)

Have a look what the booklet for
CIELCh(46, 10.971, 270.911)
contains.

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Color

CIELCh(46, 10.787, 269.190)

Conversions

Conversions Part 1

Format	Color
Hex	636E7F
RGB	99, 110, 127
RGB Percent	39%, 43%, 50%
CMY	0.6127, 0.5695, 0.5029
CMYK	0.22, 0.13, 0.00, 0.50
HSL	216°, 12%, 44%
HSV	216°, 22%, 50%
XYZ	14.4876, 15.2687, 22.1822
YIQ	108.6490, -12.0130, 2.9550

Conversions

Conversions Part 2

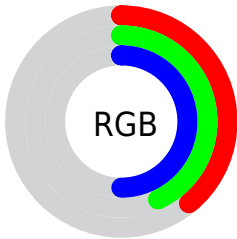
Format	Color
R_{YB}	99, 107, 127
Decimal	6516351
CIE _{Lab}	46.00, -0.15, -10.79
CIE _{LCh}	46, 10.787, 269.190
Yxy	15.2687, 0.2789, 0.2940
Android (android.graphics.Color)	4284706431 (0xFF636E7F)
YUV	108.6490, 9.0470, -8.4622
Hunter-Lab	39.0751, -2.2005, -6.3053

Details

The CIELCh color **46, 10.787, 269.190** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **49, 11.016, 83.311**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 11.140, 270.697**, and **26, 10.561, 268.073** is the 20% darker color. If you saturate the color by 10%, you get **43, 15.723, 270.972**, and if you desaturate by 10%, it is **49, 5.882, 267.665**.

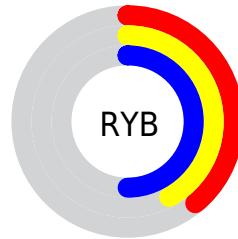
Distribution



Red (39%)

Green (43%)

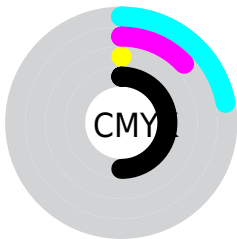
Blue (50%)



Red (39%)

Yellow (42%)

Blue (50%)

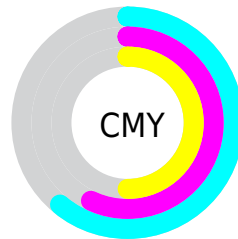


Cyan (22%)

Magenta (13%)

Yellow (0%)

Black (50%)



Cyan (61%)


Magenta (57%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 10.787, 269.190 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, 10.787, 269.190 by changing the saturation by 10% instead.


 46, 10.787,
269.190


 46, 10.787,
269.190


 100, 10.787,
269.190


 36, 10.787,
269.190

 66, 10.787,
269.190


 26, 10.787,
269.190

 76, 10.787,
269.190

 16, 10.787,
269.190


 86, 10.787,
269.190

 6, 10.787, 269.190

 96, 10.787,
269.190

 0, 10.787, 269.190

 46, 10.787,

 46, 10.787,

269.190

269.190

■ 43, 15.723,
270.972

■ 49, 5.882, 267.665

■ 40, 20.692,
273.060

■ 52, 1.014, 266.508

■ 37, 25.700,
275.491

■ 56, 3.812, 85.110

■ 33, 30.765,
278.295

■ 59, 8.592, 84.145

■ 30, 35.912,
281.479

■ 62, 13.321, 83.282

■ 28, 41.173,
285.002

■ 65, 17.993, 82.519

■ 25, 46.567,
288.758

■ 68, 22.606, 81.840

■ 23, 50.949,
291.562

■ 72, 27.158, 81.234

■ 75, 31.646, 80.690

Harmonies

Complementary

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



46, 10.787, 269.190



49, 11.016, 83.311

Rectangle

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



46, 10.787, 269.190



46, 10.787, 319.190



46, 10.787, 89.190



46, 10.787, 139.190

Sweetspot

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



46, 10.786, 269.186



65, 4.238, 267.014



51, 12.833, 167.446



34, 2.776, 267.070



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 10.786, 269.186



58, 15.837, 269.963



43, 16.927, 296.111



25, 2.755, 267.261



23, 51.192, 291.587



0, 0.000, 0.000

Inverse Universe

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



45, 13.327, 351.908



56, 19.636, 352.417



52, 16.126, 112.381



25, 3.356, 350.585



26, 50.639, 10.543



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 46, 10.787, 269.190 looks on a white background.

Color Contrast Check

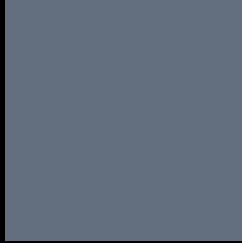
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.787, 269.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

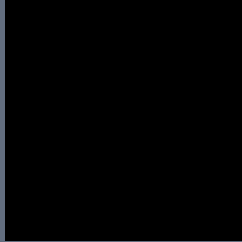
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

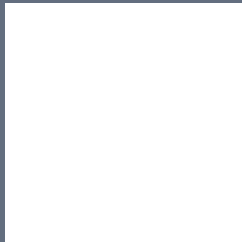
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 10.787, 269.190

Background



This preview shows how black text looks on a background with the CIELCh color 46, 10.787, 269.190.



This preview shows how white text looks on a background with the CIELCh color 46, 10.787, 269.190.

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, 10.787, 269.190

Protanopia

46, 10.716, 287.578

Deuteranopia

46, 13.224, 298.577



Tritanopia
46, 7.451, 245.060

Trichromacy



Original Color
46, 10.787, 269.190

Protanomaly
46, 10.298, 278.840

Deuteranomaly
46, 12.502, 290.168

Tritanomaly
46, 8.073, 253.358

Monochromacy



Original Color
46, 10.787, 269.190

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 3.877, 266.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 10.787, 269.190 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(99, 110, 127)` looks like.

```
.text, #text, p{  
    color:rgb(99, 110, 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(99, 110, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 110, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 10.787, 269.190 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(99, 110, 127) }
```

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

```
.border{ border-color:rgb(99, 110, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 110, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 110, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 110, 127);  
box-shadow:4px 4px 4px 4px rgb(99, 110,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 10.787, 269.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 110, 127) }
```

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

```
.background{ background-color: rgb(99, 110,  
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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