

Converting Colors

CIELCh(46, 9.986, 274.976)

Have a look what the booklet for
CIELCh(46, 9.986, 274.976) contains.

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Color

CIELCh(46, 9.808, 275.806)

Conversions

Conversions Part 1

Format	Color
Hex	666D7D
RGB	102, 109, 125
RGB Percent	40%, 43%, 49%
CMY	0.5997, 0.5722, 0.5094
CMYK	0.18, 0.13, 0.00, 0.51
HSL	222°, 10%, 45%
HSV	222°, 18%, 49%
XYZ	14.6746, 15.2687, 21.6059
YIQ	108.7310, -9.3080, 3.4920

Conversions

Conversions Part 2

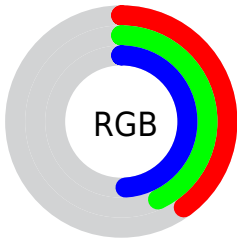
Format	Color
RYP	102, 107, 125
Decimal	6712701
CIELab	46.00, 0.99, -9.76
CIElCh	46, 9.808, 275.806
Yxy	15.2687, 0.2847, 0.2962
Android (android.graphics.Color)	4284902781 (0xFF666D7D)
YUV	108.7310, 8.0206, -5.9031
Hunter-Lab	39.0751, -1.3459, -5.4307

Details

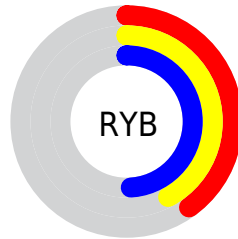
The CIELCh color $46, 9.808, 275.806$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 9.785, 91.172$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 10.239, 276.993$, and $26, 9.501, 274.812$ is the 20% darker color. If you saturate the color by 10%, you get $42, 15.280, 277.414$, and if you desaturate by 10%, it is $50, 4.436, 274.427$.

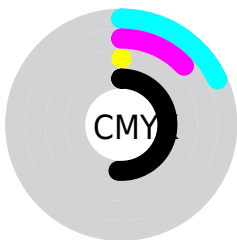
Distribution



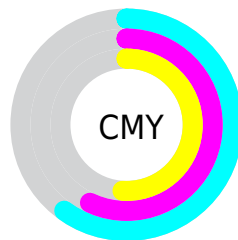
- Red (40%)
- Green (43%)
- Blue (49%)



- Red (40%)
- Yellow (42%)
- Blue (49%)



- Cyan (18%)
- Magenta (13%)
- Yellow (0%)
- Black (51%)



- Cyan (60%)
- Magenta (57%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 9.808, 275.806 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, 9.808, 275.806 by changing the saturation by 10% instead.

■ 46, 9.808, 275.806

■ 46, 9.808, 275.806

■ 100, 9.808,
275.806

■ 36, 9.808, 275.806

■ 66, 9.808, 275.806

■ 26, 9.808, 275.806

■ 76, 9.808, 275.806

■ 16, 9.808, 275.806

■ 86, 9.808, 275.806

■ 6, 9.808, 275.806

■ 96, 9.808, 275.806

■ 0, 9.808, 275.806

■ 46, 9.808, 275.806

■ 46, 9.808, 275.806

■ 42, 15.280,
277.414

■ 50, 4.436, 274.427

■ 39, 20.863,

■ 53, 0.837, 92.998

279.291

56, 6.014, 92.111

36, 26.568,
281.468

60, 11.096, 91.208

32, 32.414,
283.973

63, 16.084, 90.407

29, 38.421,
286.809

67, 20.979, 89.696

26, 44.599,
289.941

74, 30.494, 88.497

23, 50.915,
293.266

77, 35.117, 87.986

20, 57.269,
296.487

20, 58.290,
296.948

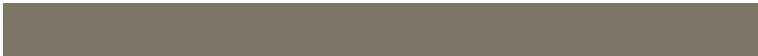
Harmonies

Complementary

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



46, 9.808, 275.806



50, 9.785, 91.172

Rectangle

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



46, 9.808, 275.806



46, 9.808, 325.806



46, 9.808, 95.806



46, 9.808, 145.806

Sweetspot

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



46, 9.807, 275.802



64, 3.938, 274.154



50, 10.011, 173.179



33, 2.600, 274.213



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, 9.807, 275.802



57, 14.639, 276.439



44, 13.915, 298.729



25, 3.029, 274.518



20, 59.215, 297.018



0, 0.000, 0.000

Inverse Universe

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



46, 10.441, 357.398



57, 15.637, 357.870



52, 13.396, 116.114



25, 3.195, 356.417



26, 51.856, 18.751



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 9.808, 275.806 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, 9.808, 275.806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

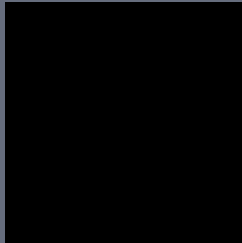
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

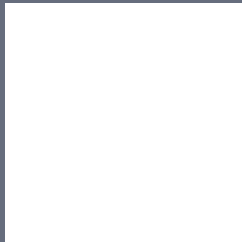
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 9.808, 275.806

Background



This preview shows how black text looks on a background with the CIELCh color 46, 9.808, 275.806.



This preview shows how white text looks on a background with the CIELCh color 46, 9.808, 275.806.

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

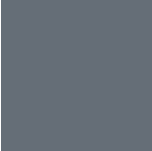
46, 9.808, 275.806

Protanopia

46, 9.533, 286.876

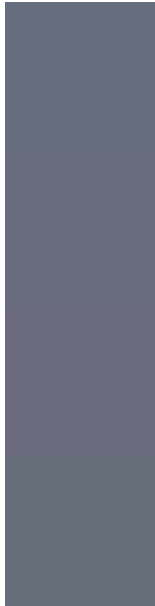
Deuteranopia

46, 12.102, 300.939



Tritanopia
46, 6.309, 257.416

Trichromacy



Original Color

46, 9.808, 275.806

Protanomaly

46, 9.563, 284.599

Deuteranomaly

46, 11.326, 293.665

Tritanomaly

46, 7.313, 262.882

Monochromacy



Original Color

46, 9.808, 275.806

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 3.741, 272.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 9.808, 275.806 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(102, 109, 125)` looks like.

```
.text, #text, p{  
    color:rgb(102, 109, 125)  
}
```

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(102, 109, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 109, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 9.808, 275.806 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(102, 109, 125) }
```

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

```
.border{ border-color:rgb(102, 109, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 109, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 109, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 109, 125);  
box-shadow:4px 4px 4px 4px rgb(102, 109,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 9.808, 275.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 109, 125) }
```

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

```
.background{ background-color: rgb(102,  
109, 125) }
```

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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