

Converting Colors

CIELCh(46, 16.283, 282.380)

Have a look what the booklet for
CIELCh(46, 16.283, 282.380)
contains.

CIELCh(46, 16.233, 282.105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 16.233, 282.105)

Conversions

Conversions Part 1

Format	Color
Hex	646C87
RGB	100, 108, 135
RGB Percent	39%, 42%, 53%
CMY	0.6067, 0.5753, 0.4694
CMYK	0.26, 0.20, 0.00, 0.47
HSL	226°, 15%, 46%
HSV	226°, 26%, 53%
XYZ	15.0741, 15.2687, 25.1844
YIQ	108.6860, -13.4350, 6.7010

Conversions

Conversions Part 2

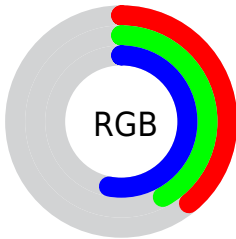
Format	Color
R_{YB}	100, 107, 135
Decimal	6581383
CIE Lab	46.00, 3.40, -15.87
CIE LCh	46, 16.233, 282.105
Yxy	15.2687, 0.2715, 0.2750
Android (android.graphics.Color)	4284771463 (0xFF646C87)
YUV	108.6860, 12.9728, -7.6176
Hunter-Lab	39.0751, 0.4787, -10.8606

Details

The CIELCh color **46, 16.233, 282.105** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **53, 15.878, 95.664**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 16.259, 281.980**, and **26, 15.951, 281.213** is the 20% darker color. If you saturate the color by 10%, you get **42, 22.815, 283.841**, and if you desaturate by 10%, it is **50, 9.831, 280.612**.

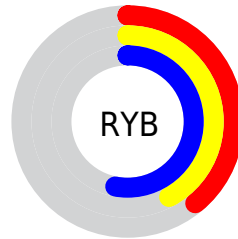
Distribution



Red (39%)

Green (42%)

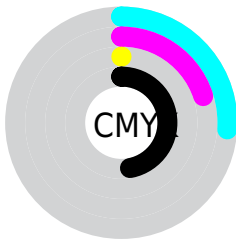
Blue (53%)



Red (39%)

Yellow (42%)

Blue (53%)

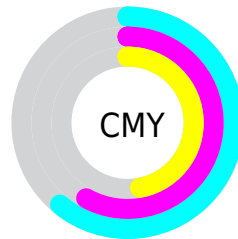


Cyan (26%)

Magenta (20%)

Yellow (0%)

Black (47%)



Cyan (61%)


Magenta (58%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.233, 282.105 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, 16.233, 282.105 by changing the saturation by 10% instead.


 46, 16.233,
282.105


 46, 16.233,
282.105


 100, 16.233,
282.105


 36, 16.233,
282.105

 66, 16.233,
282.105


 26, 16.233,
282.105

 76, 16.233,
282.105

 16, 16.233,
282.105

 86, 16.233,
282.105

 6, 16.233, 282.105

 96, 16.233,
282.105

 0, 16.233, 282.105

 46, 16.233,

 46, 16.233,

282.105

■ 42, 22.815,
283.841

■ 38, 29.598,
285.858

■ 34, 36.601,
288.178

■ 30, 43.835,
290.802

■ 26, 51.278,
293.682

■ 23, 58.813,
296.705

■ 20, 66.161,
299.646

■ 19, 69.060,
300.692

282.105

■ 50, 9.831, 280.612

■ 54, 3.597, 279.347

■ 58, 2.480, 98.145

■ 62, 8.408, 97.216

■ 66, 14.194, 96.379

■ 70, 19.842, 95.641

■ 74, 25.357, 94.989

■ 78, 30.745, 94.409

■ 82, 36.010, 93.890

Harmonies

Complementary

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



46, 16.233, 282.105



53, 15.878, 95.664

Rectangle

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



46, 16.233, 282.105



46, 16.233, 332.105



46, 16.233, 102.105



46, 16.233, 152.105

Sweetspot

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



46, 16.232, 282.103



68, 6.082, 279.616



54, 14.105, 178.397



35, 4.363, 279.782



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



46, 16.232, 282.103



56, 24.290, 283.081



45, 21.327, 302.298



27, 3.516, 279.737



18, 67.934, 300.634



0, 1.615, 278.640

Inverse Universe

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



46, 15.445, 3.770



57, 23.185, 4.553



55, 20.263, 119.015



27, 3.292, 1.869



27, 55.449, 25.529



0, 1.496, 1.100

Previews

White Background



This preview shows how the CIELCh color 46, 16.233, 282.105 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, 16.233, 282.105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

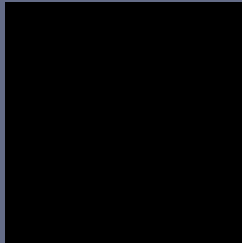
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

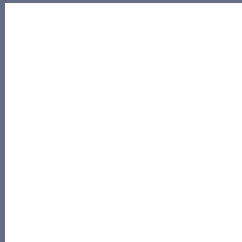
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 16.233, 282.105

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.233, 282.105.



This preview shows how white text looks on a background with the CIELCh color 46, 16.233, 282.105.

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, 16.233, 282.105

Protanopia

46, 16.140, 284.599

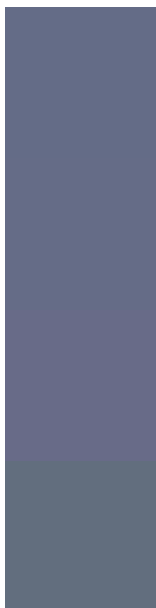
Deuteranopia

46, 17.246, 291.306



Tritanopia
46, 7.451, 245.060

Trichromacy



Original Color
46, 16.233, 282.105

Protanomaly
46, 16.183, 283.345

Deuteranomaly
46, 17.263, 288.906

Tritanomaly
46, 10.388, 265.904

Monochromacy



Original Color
46, 16.233, 282.105

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.035, 279.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.233, 282.105 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(100, 108, 135)` looks like.

```
.text, #text, p{  
    color:rgb(100, 108, 135)  
}
```

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(100, 108, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 108, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.233, 282.105 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(100, 108, 135) }
```

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

```
.border{ border-color:rgb(100, 108, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 108, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 108, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 108, 135); box-shadow:4px 4px 4px 4px rgb(100, 108, 135) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.233, 282.105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 108, 135) }
```

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

```
.background{ background-color: rgb(100,  
108, 135) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor