

Converting Colors

CIELCh(46, 17.274, 291.326)

Have a look what the booklet for
CIELCh(46, 17.274, 291.326)
contains.

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Color

CIELCh(46, 17.246, 291.306)

Conversions

Conversions Part 1

Format	Color
Hex	6A6B88
RGB	106, 107, 136
RGB Percent	42%, 42%, 53%
CMY	0.5855, 0.5815, 0.4679
CMYK	0.22, 0.21, 0.00, 0.47
HSL	238°, 12%, 47%
HSV	238°, 22%, 53%
XYZ	15.5574, 15.2687, 25.3048
YIQ	110.0070, -9.9050, 8.8070

Conversions

Conversions Part 2

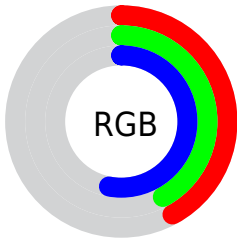
Format	Color
R _Y B	106, 107, 136
Decimal	6974344
CIE Lab	46.00, 6.27, -16.07
CIE LCh	46, 17.246, 291.306
Yxy	15.2687, 0.2772, 0.2720
Android (android.graphics.Color)	4285164424 (0xFF6A6B88)
YUV	110.0070, 12.8145, -3.5141
Hunter-Lab	39.0751, 2.6866, -11.0432

Details

The CIELCh color $46, 17.246, 291.306$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 16.466, 106.688$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 17.201, 291.958$, and $26, 17.028, 290.992$ is the 20% darker color. If you saturate the color by 10%, you get $41, 25.548, 292.748$, and if you desaturate by 10%, it is $51, 9.265, 290.073$.

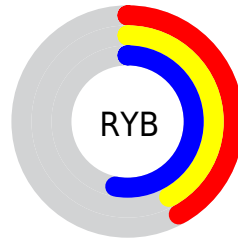
Distribution



Red (42%)

Green (42%)

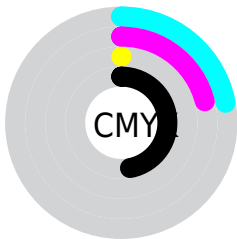
Blue (53%)



Red (42%)

Yellow (42%)

Blue (53%)

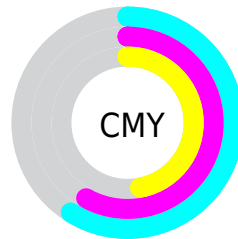


Cyan (22%)

Magenta (21%)

Yellow (0%)

Black (47%)



Cyan (59%)


Magenta (58%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 17.246, 291.306 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, 17.246, 291.306 by changing the saturation by 10% instead.


 46, 17.246,
291.306


 46, 17.246,
291.306


 100, 17.246,
291.306


 36, 17.246,
291.306

 66, 17.246,
291.306


 26, 17.246,
291.306

 76, 17.246,
291.306

 16, 17.246,
291.306

 86, 17.246,
291.306

 6, 17.246, 291.306

 96, 17.246,
291.306

 0, 17.246, 291.306

 46, 17.246,

 46, 17.246,

291.306

41, 25.548,
292.748

36, 34.194,
294.425

32, 43.176,
296.345

27, 52.424,
298.480

23, 61.704,
300.733

19, 70.458,
302.907

16, 77.695,
304.714

15, 81.978,
305.704

291.306

51, 9.265, 290.073

56, 1.585, 289.050

60, 5.818, 108.102

65, 12.963,
107.335

70, 19.868,
106.672

74, 26.549,
106.097

79, 33.020,
105.597

83, 39.293,
105.160

88, 45.381,

Harmonies

Complementary

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



46, 17.246, 291.306



56, 16.466, 106.688

Rectangle

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



46, 17.246, 291.306



46, 17.246, 341.306



46, 17.246, 111.306



46, 17.246, 161.306

Sweetspot

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



46, 17.245, 291.305



68, 6.568, 289.536



54, 11.226, 193.873



35, 4.305, 289.585



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, 17.245, 291.305



56, 26.330, 292.069



47, 18.587, 308.372



26, 4.350, 289.749



14, 80.575, 305.689



0, 1.988, 288.812

Inverse Universe

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



48, 12.762, 18.343



58, 19.647, 18.940



55, 17.992, 126.290



27, 3.149, 17.168



27, 62.090, 37.328



0, 1.417, 16.618

Previews

White Background



This preview shows how the CIELCh color 46, 17.246, 291.306 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, 17.246, 291.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

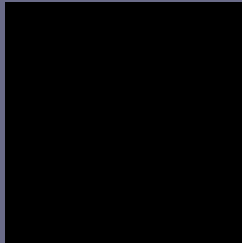
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 17.246, 291.306

Background



This preview shows how black text looks on a background with the CIELCh color 46, 17.246, 291.306.



This preview shows how white text looks on a background with the CIELCh color 46, 17.246, 291.306.

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, 17.246, 291.306

Protanopia

46, 16.726, 284.981

Deuteranopia

46, 17.246, 291.306



Tritanopia
46, 6.117, 260.442

Trichromacy



Original Color
46, 17.246, 291.306

Protanomaly
46, 16.692, 286.198

Deuteranomaly
46, 17.246, 291.306

Tritanomaly
46, 9.723, 277.939

Monochromacy



Original Color
46, 17.246, 291.306

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 5.947, 287.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 17.246, 291.306 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(106, 107, 136)` looks like.

```
.text, #text, p{  
    color:rgb(106, 107, 136)  
}
```

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(106, 107, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 107, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 17.246, 291.306 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(106, 107, 136) }
```

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

```
.border{ border-color:rgb(106, 107, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 107, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 107, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 107, 136);  
box-shadow:4px 4px 4px 4px rgb(106, 107,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 17.246, 291.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 107, 136) }
```

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

```
.background{ background-color: rgb(106,  
107, 136) }
```

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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