

Converting Colors

CIELCh(46, 24.390, 287.571)

Have a look what the booklet for
CIELCh(46, 24.390, 287.571)
contains.

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Color

CIELCh(46, 24.436, 287.047)

Conversions

Conversions Part 1

Format	Color
Hex	636B94
RGB	99, 107, 148
RGB Percent	39%, 42%, 58%
CMY	0.6123, 0.5809, 0.4201
CMYK	0.33, 0.28, 0.00, 0.42
HSL	230°, 20%, 48%
HSV	230°, 33%, 58%
XYZ	15.7110, 15.2687, 30.0810
YIQ	109.2820, -17.9290, 11.0550

Conversions

Conversions Part 2

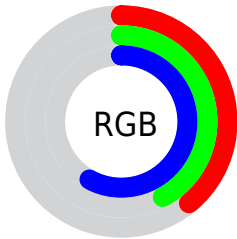
Format	Color
R_{YB}	99, 106, 148
Decimal	6515604
CIE _{Lab}	46.00, 7.16, -23.36
CIE _{LCh}	46, 24.436, 287.047
Yxy	15.2687, 0.2573, 0.2501
Android (android.graphics.Color)	4284705684 (0xFF636B94)
YUV	109.2820, 19.0880, -9.0173
Hunter-Lab	39.0751, 3.3883, -18.2903

Details

The CIELCh color $46, 24.436, 287.047$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 23.294, 98.867$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 24.453, 287.192$, and $26, 24.296, 286.947$ is the 20% darker color. If you saturate the color by 10%, you get $41, 32.357, 288.922$, and if you desaturate by 10%, it is $51, 16.784, 285.434$.

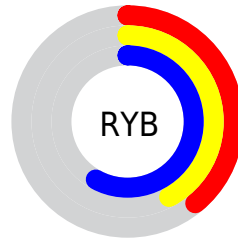
Distribution



Red (39%)

Green (42%)

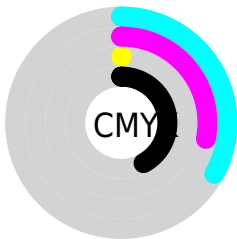
Blue (58%)



Red (39%)

Yellow (42%)

Blue (58%)

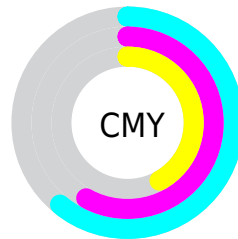


Cyan (33%)

Magenta (28%)

Yellow (0%)

Black (42%)



Cyan (61%)


Magenta (58%)

Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 24.436, 287.047 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, 24.436, 287.047 by changing the saturation by 10% instead.


 46, 24.436,
287.047


 46, 24.436,
287.047


 100, 24.436,
287.047

 36, 24.436,
287.047

 66, 24.436,
287.047


 26, 24.436,
287.047

 76, 24.436,
287.047

 16, 24.436,
287.047

 86, 24.436,
287.047

 6, 24.436, 287.047

 96, 24.436,
287.047

 0, 24.436, 287.047

 46, 24.436,

 46, 24.436,

287.047

■ 41, 32.357,
288.922

■ 37, 40.571,
291.083

■ 32, 49.074,
293.526

■ 28, 57.799,
296.198

■ 24, 66.525,
298.968

■ 21, 74.755,
301.617

■ 19, 79.769,
303.126

287.047

■ 51, 16.784,
285.434

■ 55, 9.383, 284.055

■ 60, 2.211, 282.905

■ 64, 4.748, 101.808

■ 69, 11.506,
100.935

■ 73, 18.075,
100.168

■ 78, 24.465, 99.495

■ 82, 30.683, 98.903

■ 87, 36.739, 98.378

Harmonies

Complementary

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



46, 24.436, 287.047



58, 23.294, 98.867

Rectangle

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



46, 24.436, 287.047



46, 24.436, 337.047



46, 24.436, 107.047



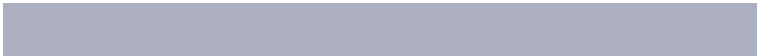
46, 24.436, 157.047

Sweetspot

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



46, 24.435, 287.047



72, 8.773, 283.691



58, 18.361, 182.940



37, 6.044, 283.847



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



46, 24.435, 287.047



55, 36.861, 288.460



45, 29.927, 305.134



29, 4.013, 283.571



18, 75.341, 302.971



1, 3.466, 282.519

Inverse Universe

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



47, 21.314, 9.708



57, 32.234, 10.938



59, 28.116, 121.266



29, 3.417, 6.824



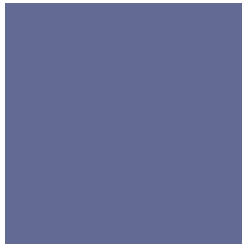
28, 59.433, 30.697



1, 2.916, 6.082

Previews

White Background



This preview shows how the CIELCh color 46, 24.436, 287.047 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 CIELCh color 46, 24.436, 287.047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

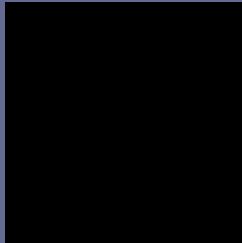
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 24.436, 287.047

Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.436, 287.047.



This preview shows how white text looks on a background with the CIELCh color 46, 24.436, 287.047.

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

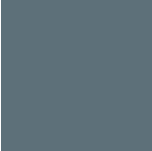
46, 24.436, 287.047

Protanopia

46, 24.500, 285.514

Deuteranopia

46, 24.500, 285.514



Tritanopia
46, 8.793, 236.424

Trichromacy



Original Color
46, 24.436, 287.047

Protanomaly
46, 24.466, 286.277

Deuteranomaly
46, 24.466, 286.277

Tritanomaly
46, 13.445, 267.966

Monochromacy



Original Color
46, 24.436, 287.047

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.974, 284.036

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 24.436, 287.047 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, 107, 148)` looks like.

```
.text, #text, p{  
    color:rgb(99, 107, 148)  
}
```

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, 107, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 107, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 24.436, 287.047 is called "border". The border property can be set on classes, ids or directly on the HTML element.

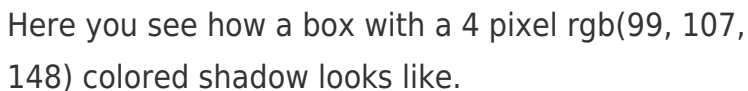
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 107, 148) }
```

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

```
.border{ border-color:rgb(99, 107, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(99, 107, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 107, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 107, 148); box-shadow:4px 4px 4px 4px rgb(99, 107, 148) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 24.436, 287.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 107, 148) }
```

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

```
.background{ background-color: rgb(99, 107,  
148) }
```

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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