

Converting Colors

CIELCh(47, 26.508, 288.395)

Have a look what the booklet for
CIELCh(47, 26.508, 288.395)
contains.

CIELCh(47, 26.668, 288.628)	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(47, 26.668, 288.628)

Conversions

Conversions Part 1

Format	Color
Hex	666D9A
RGB	102, 109, 154
RGB Percent	40%, 43%, 60%
CMY	0.6010, 0.5735, 0.3971
CMYK	0.34, 0.29, 0.00, 0.40
HSL	232°, 20%, 50%
HSV	232°, 34%, 60%
XYZ	16.7043, 16.0195, 32.6686
YIQ	112.0370, -18.6170, 12.5110

Conversions

Conversions Part 2

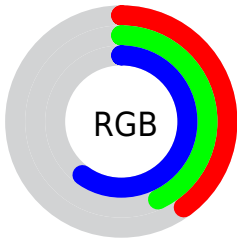
Format	Color
R _Y B	102, 108, 154
Decimal	6712730
CIE Lab	47.00, 8.52, -25.27
CIE LCh	47, 26.668, 288.628
Yxy	16.0195, 0.2554, 0.2450
Android (android.graphics.Color)	4284902810 (0xFF666D9A)
YUV	112.0370, 20.6878, -8.8024
Hunter-Lab	40.0243, 4.4552, -20.3766

Details

The CIELCh color $47, 26.668, 288.628$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 25.210, 100.417$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 27.117, 288.733$, and $27, 26.708, 288.169$ is the 20% darker color. If you saturate the color by 10%, you get $42, 35.186, 290.495$, and if you desaturate by 10%, it is $52, 18.456, 287.022$.

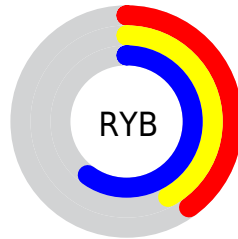
Distribution



Red (40%)

Green (43%)

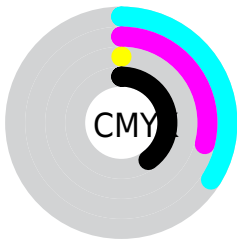
Blue (60%)



Red (40%)

Yellow (42%)

Blue (60%)

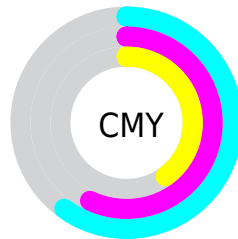


Cyan (34%)

Magenta (29%)

Yellow (0%)

Black (40%)



Cyan (60%)

Magenta (57%)

Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 26.668, 288.628 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 47, 26.668, 288.628 by changing the saturation by 10% instead.

 47, 26.668,
288.628

 47, 26.668,
288.628

 100, 26.668,
288.628

 37, 26.668,
288.628

 67, 26.668,
288.628


 27, 26.668,
288.628

 77, 26.668,
288.628

 17, 26.668,
288.628

 87, 26.668,
288.628

 7, 26.668, 288.628

 97, 26.668,
288.628

 0, 26.668, 288.628

 47, 26.668,

 47, 26.668,

288.628

■ 42, 35.186,
290.495

■ 37, 44.029,
292.643

■ 33, 53.176,
295.058

■ 28, 62.509,
297.669

■ 24, 71.695,
300.320

■ 21, 80.051,
302.762

■ 19, 84.435,
303.958

288.628

■ 52, 18.456,
287.022

■ 57, 10.531,
285.649

■ 62, 2.867, 284.495

■ 66, 4.554, 103.424

■ 71, 11.748,
102.563

■ 76, 18.729,
101.808

■ 81, 25.508,
101.147

■ 85, 32.097,
100.568

■ 90, 38.505,
100.056

Harmonies

Complementary

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



47, 26.668, 288.628



60, 25.210, 100.417

Rectangle

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



47, 26.668, 288.628



47, 26.668, 338.628



47, 26.668, 108.628



47, 26.668, 158.628

Sweetspot

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



47, 26.667, 288.628



74, 9.349, 285.205



60, 19.124, 184.260



38, 6.374, 285.359



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



47, 26.667, 288.628



56, 40.463, 290.095



47, 31.621, 305.745



30, 4.260, 285.090



17, 78.496, 303.787



1, 4.555, 284.174

Inverse Universe

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



49, 22.439, 12.010



59, 34.164, 13.313



61, 29.704, 121.884



30, 3.488, 9.063



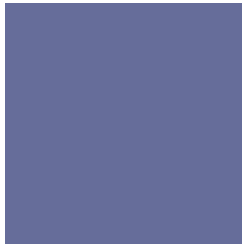
28, 61.417, 32.706



1, 3.671, 8.524

Previews

White Background



This preview shows how the CIELCh color 47, 26.668, 288.628 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 47, 26.668, 288.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

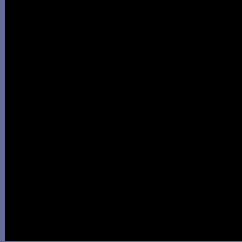
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 26.668, 288.628

Background



This preview shows how black text looks on a background with the CIELCh color 47, 26.668, 288.628.

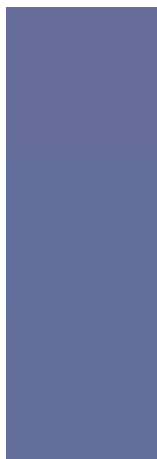


This preview shows how white text looks on a background with the CIELCh color 47, 26.668, 288.628.

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

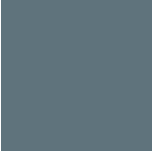
47, 26.668, 288.628

Protanopia

47, 26.775, 285.150

Deuteranopia

47, 25.620, 284.541



Tritanopia
47, 9.048, 234.974

Trichromacy



Original Color
47, 26.668, 288.628

Protanomaly
47, 26.739, 285.827

Deuteranomaly
47, 25.581, 285.255

Tritanomaly
47, 14.046, 267.690

Monochromacy



Original Color
47, 26.668, 288.628

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 9.517, 284.557

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 26.668, 288.628 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(102, 109, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 109, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 26.668, 288.628 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, 154) }
```

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

```
.border{ border-color:rgb(102, 109, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 109, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 109, 154);  
box-shadow:4px 4px 4px 4px rgb(102, 109,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 26.668, 288.628 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, 154) }
```

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

```
.background{ background-color: rgb(102,  
109, 154) }
```

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