

Converting Colors

CIELCh(47, 26.956, 261.402)

Have a look what the booklet for
CIELCh(47, 26.956, 261.402)
contains.

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Color

CIELCh(47, 26.886, 261.105)

Conversions

Conversions Part 1

Format	Color
Hex	44749C
RGB	68, 116, 156
RGB Percent	27%, 45%, 61%
CMY	0.7347, 0.5464, 0.3896
CMYK	0.57, 0.26, 0.00, 0.39
HSL	207°, 39%, 44%
HSV	207°, 57%, 61%
XYZ	14.5374, 16.0195, 33.6232
YIQ	106.2080, -41.4480, 2.2640

Conversions

Conversions Part 2

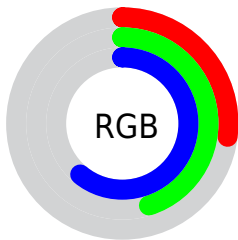
Format	Color
R _Y B	68, 99, 156
Decimal	4486300
CIE Lab	47.00, -4.16, -26.56
CIE LCh	47, 26.886, 261.105
Yxy	16.0195, 0.2265, 0.2496
Android (android.graphics.Color)	4282676380 (0xFF44749C)
YUV	106.2080, 24.5475, -33.5084
Hunter-Lab	40.0243, -5.2089, -21.7908

Details


The CIELCh color **47, 26.886, 261.105** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 33.251, 63.960**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 27.034, 260.929**, and **27, 27.040, 262.262** is the 20% darker color. If you saturate the color by 10%, you get **44, 31.141, 264.372**, and if you desaturate by 10%, it is **50, 22.471, 258.337**.

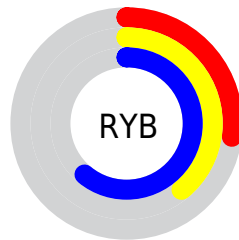
Distribution



 Red (27%)

 Green (45%)

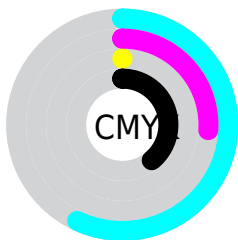
 Blue (61%)




 Red (27%)

 Yellow (39%)

 Blue (61%)

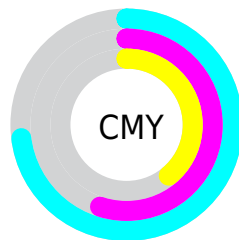


 Cyan (57%)

 Magenta (26%)

 Yellow (0%)

 Black (39%)



 Cyan (73%)

 Magenta (55%)

 Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 26.886, 261.105 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 47, 26.886, 261.105 by changing the saturation by 10% instead.

■ 47, 26.886,
261.105

■ 47, 26.886,
261.105

■ 100, 26.886,
261.105

■ 37, 26.886,
261.105

■ 67, 26.886,
261.105

■ 27, 26.886,
261.105

■ 77, 26.886,
261.105

■ 17, 26.886,
261.105

■ 87, 26.886,
261.105

■ 7, 26.886, 261.105

■ 97, 26.886,
261.105

■ 0, 26.886, 261.105

■ 47, 26.886,

■ 47, 26.886,

261.105

■ 44, 31.141,
264.372

■ 42, 35.276,
268.159

■ 39, 39.358,
272.428

■ 37, 43.492,
277.011

■ 36, 44.973,
278.511

261.105

■ 50, 22.471,
258.337

■ 53, 17.890,
256.016

■ 56, 13.153,
254.081

■ 59, 8.283, 252.473

■ 62, 3.307, 251.175

■ 65, 1.750, 69.737

■ 69, 6.863, 68.910

■ 72, 12.009, 68.103

■ 75, 17.171, 67.400

Harmonies

Complementary

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



47, 26.886, 261.105



50, 33.251, 63.960

Rectangle

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



47, 26.886, 261.105



47, 26.886, 311.105



47, 26.886, 81.105



47, 26.886, 131.105

Sweetspot

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



47, 26.885, 261.105



75, 10.495, 252.588



58, 41.854, 155.143



39, 7.063, 252.866



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



47, 26.885, 261.105



56, 39.095, 265.366



34, 51.961, 296.807



32, 2.887, 251.491



33, 41.941, 278.121



2, 3.875, 253.494

Inverse Universe

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



42, 43.361, 347.036



50, 61.654, 349.146



61, 44.895, 102.583



31, 4.436, 341.943



30, 55.775, 356.883



1, 5.635, 342.710

Previews

White Background



This preview shows how the CIELCh color 47, 26.886, 261.105 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 47, 26.886, 261.105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

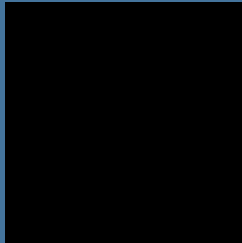
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

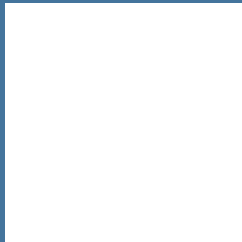
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 26.886, 261.105

Background



This preview shows how black text looks on a background with the CIELCh color 47, 26.886, 261.105.

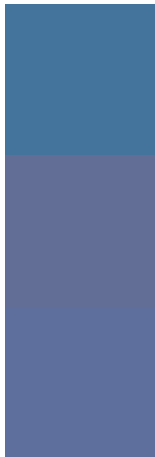


This preview shows how white text looks on a background with the CIELCh color 47, 26.886, 261.105.

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


47, 26.886, 261.105

Protanopia

47, 24.424, 284.639

Deuteranopia

47, 28.092, 283.205



Tritanopia
47, 20.505, 214.395

Trichromacy



Original Color
47, 26.886, 261.105

Protanomaly
47, 25.137, 275.342

Deuteranomaly
47, 27.629, 275.120

Tritanomaly
47, 20.964, 234.670

Monochromacy



Original Color
47, 26.886, 261.105

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 10.497, 251.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 26.886, 261.105 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(68, 116, 156)` looks like.

```
.text, #text, p{  
    color:rgb(68, 116, 156)  
}
```

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(68, 116, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 116, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 26.886, 261.105 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(68, 116, 156) }
```

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

```
.border{ border-color:rgb(68, 116, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 116, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 116, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 116, 156);  
box-shadow:4px 4px 4px 4px rgb(68, 116,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 26.886, 261.105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 116, 156) }
```

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

```
.background{ background-color: rgb(68, 116,  
156) }
```

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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