

Converting Colors

CIELCh(42, 27.804, 287.859)

Have a look what the booklet for
CIELCh(42, 27.804, 287.859)
contains.

CIELCh(42, 27.861, 287.325)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 27.861, 287.325)

Conversions

Conversions Part 1

Format	Color
Hex	57618F
RGB	87, 97, 143
RGB Percent	34%, 38%, 56%
CMY	0.6597, 0.6205, 0.4401
CMYK	0.39, 0.32, 0.00, 0.44
HSL	229°, 24%, 45%
HSV	229°, 39%, 56%
XYZ	13.1034, 12.5000, 27.6147
YIQ	99.2540, -20.7260, 12.1860

Conversions

Conversions Part 2

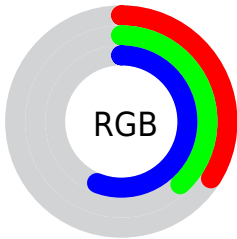
Format	Color
R_{YB}	87, 95, 143
Decimal	5726607
CIE _{Lab}	42.00, 8.30, -26.60
CIE _{LCh}	42, 27.861, 287.325
Yxy	12.5000, 0.2462, 0.2349
Android (android.graphics.Color)	4283916687 (0xFF57618F)
YUV	99.2540, 21.5668, -10.7468
Hunter-Lab	35.3553, 4.2840, -21.5604

Details

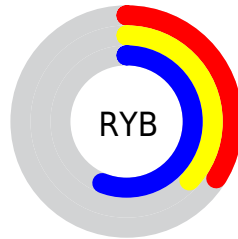
The CIELCh color `42, 27.861, 287.325` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `55, 26.381, 97.251`, and the grayscale version is `42, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 28.122, 287.828`, and `22, 27.588, 286.994` is the 20% darker color. If you saturate the color by 10%, you get `38, 35.559, 289.385`, and if you desaturate by 10%, it is `46, 20.424, 285.546`.

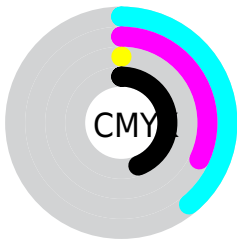
Distribution



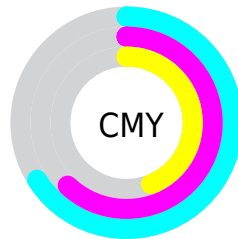
- Red (34%)
- Green (38%)
- Blue (56%)



- Red (34%)
- Yellow (37%)
- Blue (56%)



- Cyan (39%)
- Magenta (32%)
- Yellow (0%)
- Black (44%)





- Cyan (66%)
- Magenta (62%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 27.861, 287.325 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 42, 27.861, 287.325 by changing the saturation by 10% instead.


 42, 27.861,
287.325


 42, 27.861,
287.325


 100, 27.861,
287.325


 32, 27.861,
287.325

 62, 27.861,
287.325


 22, 27.861,
287.325

 72, 27.861,
287.325

 12, 27.861,
287.325

 82, 27.861,
287.325

 2, 27.861, 287.325

 92, 27.861,
287.325

 0, 27.861, 287.325

 42, 27.861,

 42, 27.861,

287.325

■ 38, 35.559,
289.385

■ 33, 43.533,
291.736

■ 29, 51.762,
294.355

■ 25, 60.131,
297.152

■ 22, 68.333,
299.954

■ 19, 75.819,
302.426

■ 19, 76.358,
302.586

287.325

■ 46, 20.424,
285.546

■ 51, 13.229,
284.018

■ 55, 6.255, 282.714

■ 60, 0.514, 101.345

■ 64, 7.092, 100.573

■ 68, 13.489, 99.732

■ 73, 19.714, 98.994

■ 77, 25.775, 98.345

■ 81, 31.681, 97.772

Harmonies

Complementary

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



42, 27.861, 287.325



55, 26.381, 97.251

Rectangle

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



42, 27.861, 287.325



42, 27.861, 337.325



42, 27.861, 107.325



42, 27.861, 157.325

Sweetspot

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



42, 27.860, 287.325



69, 10.152, 283.088



55, 20.964, 180.976



36, 6.798, 283.232



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



42, 27.860, 287.325



50, 42.075, 289.118



41, 34.680, 305.055



28, 3.831, 282.710



18, 73.060, 302.456



0, 2.557, 281.650

Inverse Universe

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



43, 24.852, 9.476



52, 37.475, 11.091



57, 32.092, 120.280



28, 3.333, 5.629



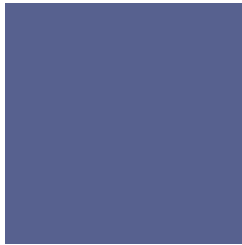
27, 58.000, 29.490



0, 2.199, 4.880

Previews

White Background



This preview shows how the CIE LCh color 42, 27.861, 287.325 looks on a white background.

Color Contrast Check

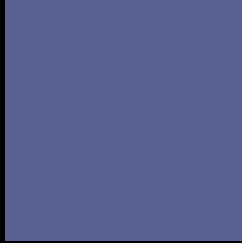
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 27.861, 287.325 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

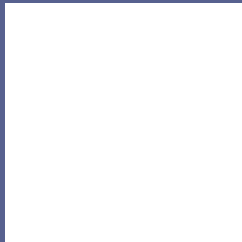
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 27.861, 287.325

Background



This preview shows how black text looks on a background with the CIELCh color 42, 27.861, 287.325.



This preview shows how white text looks on a background with the CIELCh color 42, 27.861, 287.325.

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

42, 27.861, 287.325

Protanopia

42, 27.960, 285.412

Deuteranopia

42, 26.871, 282.764



Tritanopia
42, 10.069, 227.349

Trichromacy



Original Color
42, 27.861, 287.325

Protanomaly
42, 27.924, 286.044

Deuteranomaly
42, 26.781, 284.065

Tritanomaly
42, 14.690, 264.441

Monochromacy



Original Color
42, 27.861, 287.325

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 10.325, 285.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 27.861, 287.325 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(87, 97, 143)` looks like.

```
.text, #text, p{  
    color:rgb(87, 97, 143)  
}
```

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(87, 97, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 97, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 27.861, 287.325 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(87, 97, 143) }
```

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

```
.border{ border-color:rgb(87, 97, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 97, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 97, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 97, 143);  
box-shadow:4px 4px 4px 4px rgb(87, 97,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 27.861, 287.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 97, 143) }
```

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

```
.background{ background-color: rgb(87, 97,  
143) }
```

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