

Converting Colors

CIELCh(42, 27.036, 285.373)

Have a look what the booklet for
CIELCh(42, 27.036, 285.373)
contains.

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Color

CIELCh(42, 27.335, 285.749)

Conversions

Conversions Part 1

Format	Color
Hex	55618E
RGB	85, 97, 142
RGB Percent	33%, 38%, 56%
CMY	0.6656, 0.6186, 0.4421
CMYK	0.40, 0.32, 0.00, 0.44
HSL	227°, 25%, 45%
HSV	227°, 40%, 56%
XYZ	12.9704, 12.5000, 27.4266
YIQ	98.5420, -21.5970, 11.4510

Conversions

Conversions Part 2

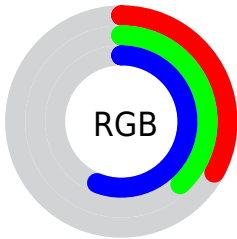
Format	Color
R_{YB}	85, 95, 142
Decimal	5595534
CIE _{Lab}	42.00, 7.42, -26.31
CIE _{LCh}	42, 27.335, 285.749
Yxy	12.5000, 0.2452, 0.2363
Android (android.graphics.Color)	4283785614 (0xFF55618E)
YUV	98.5420, 21.4248, -11.8763
Hunter-Lab	35.3553, 3.6122, -21.2449

Details

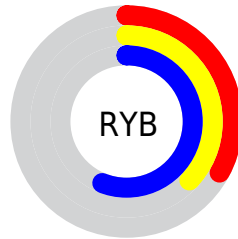
The CIELCh color `42, 27.335, 285.749` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `55, 26.117, 95.144`, and the grayscale version is `42, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 27.621, 286.317`, and `22, 27.016, 285.459` is the 20% darker color. If you saturate the color by 10%, you get `38, 34.694, 287.880`, and if you desaturate by 10%, it is `46, 20.209, 283.908`.

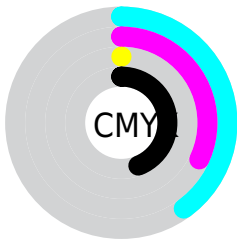
Distribution



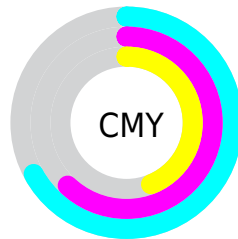
- Red (33%)
- Green (38%)
- Blue (56%)



- Red (33%)
- Yellow (37%)
- Blue (56%)



- Cyan (40%)
- Magenta (32%)
- Yellow (0%)
- Black (44%)




- Cyan (67%)
- Magenta (62%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 27.335, 285.749 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, 27.335, 285.749 by changing the saturation by 10% instead.

 42, 27.335,
285.749


 42, 27.335,
285.749

 100, 27.335,
285.749

 32, 27.335,
285.749

 62, 27.335,
285.749


 22, 27.335,
285.749

 72, 27.335,
285.749

 12, 27.335,
285.749

 82, 27.335,
285.749

 2, 27.335, 285.749

 92, 27.335,
285.749

 0, 27.335, 285.749

 42, 27.335,

 42, 27.335,

285.749

■ 38, 34.694,
287.880

■ 34, 42.307,
290.314

■ 30, 50.165,
293.029

■ 26, 58.188,
295.945

■ 22, 66.138,
298.897

■ 20, 73.536,
301.514

285.749

■ 46, 20.209,
283.908

■ 51, 13.299,
282.327

■ 55, 6.585, 280.976

■ 59, 0.053, 282.186

■ 63, 6.308, 98.749

■ 68, 12.506, 97.877

■ 72, 18.549, 97.109

■ 76, 24.442, 96.433

■ 80, 30.193, 95.833

Harmonies

Complementary

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



42, 27.335, 285.749



55, 26.117, 95.144

Rectangle

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



42, 27.335, 285.749



42, 27.335, 335.749



42, 27.335, 105.749



42, 27.335, 155.749

Sweetspot

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



42, 27.334, 285.749



69, 9.798, 281.253



55, 21.779, 178.196



36, 6.560, 281.400



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, 27.334, 285.749



50, 41.348, 287.645



40, 35.291, 304.062



28, 3.699, 280.866



18, 70.535, 301.379



0, 2.471, 279.779

Inverse Universe

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



43, 25.456, 7.235



52, 38.369, 8.903



57, 32.473, 118.869



28, 3.370, 3.232



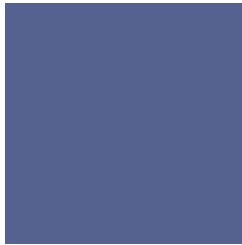
27, 56.872, 27.097



0, 2.226, 2.464

Previews

White Background



This preview shows how the CIELCh color 42, 27.335, 285.749 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, 27.335, 285.749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

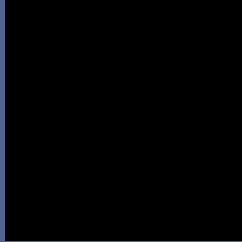
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

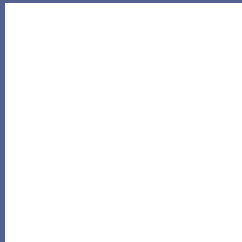
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 27.335, 285.749

Background



This preview shows how black text looks on a background with the CIELCh color 42, 27.335, 285.749.

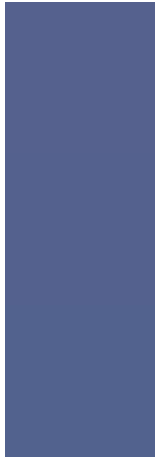


This preview shows how white text looks on a background with the CIELCh color 42, 27.335, 285.749.

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, 27.335, 285.749

Protanopia

42, 27.372, 285.100

Deuteranopia

42, 26.871, 282.764



Tritanopia
42, 10.608, 229.511

Trichromacy



Original Color
42, 27.335, 285.749

Protanomaly
42, 27.372, 285.100

Deuteranomaly
42, 26.825, 283.411

Tritanomaly
42, 14.835, 263.266

Monochromacy



Original Color
42, 27.335, 285.749

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 10.366, 283.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 27.335, 285.749 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(85, 97, 142)` looks like.

```
.text, #text, p{  
    color:rgb(85, 97, 142)  
}
```

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(85, 97, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 97, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 27.335, 285.749 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(85, 97, 142) }
```

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

```
.border{ border-color:rgb(85, 97, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 97, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 97, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 97, 142);  
box-shadow:4px 4px 4px 4px rgb(85, 97,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 27.335, 285.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 97, 142) }
```

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

```
.background{ background-color: rgb(85, 97,  
142) }
```

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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