

Converting Colors

CIELCh(42, 33.839, 304.124)

Have a look what the booklet for
CIELCh(42, 33.839, 304.124)
contains.

CIELCh(42, 33.839, 304.124)	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(42, 33.839, 304.124)

Conversions

Conversions Part 1

Format	Color
Hex	6A5A91
RGB	106, 90, 145
RGB Percent	42%, 35%, 57%
CMY	0.5831, 0.6459, 0.4301
CMYK	0.27, 0.38, 0.00, 0.43
HSL	257°, 23%, 46%
HSV	257°, 38%, 57%
XYZ	14.7980, 12.5000, 28.5516
YIQ	101.0540, -8.1190, 20.4970

Conversions

Conversions Part 2

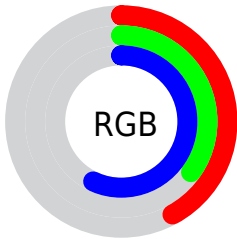
Format	Color
R_{YB}	106, 90, 145
Decimal	6970001
CIE _{Lab}	42.00, 18.98, -28.01
CIE _{LCh}	42, 33.839, 304.124
Yxy	12.5000, 0.2650, 0.2238
Android (android.graphics.Color)	4285160081 (0xFF6A5A91)
YUV	101.0540, 21.6654, 4.3376
Hunter-Lab	35.3553, 12.8396, -23.1315

Details

The CIELCh color $42, 33.839, 304.124$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 31.324, 119.305$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 33.867, 303.975$, and $22, 33.813, 304.376$ is the 20% darker color. If you saturate the color by 10%, you get $37, 43.404, 305.013$, and if you desaturate by 10%, it is $47, 24.497, 303.306$.

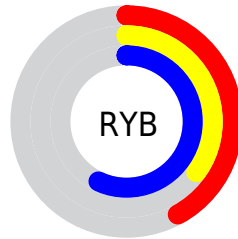
Distribution



Red (42%)

Green (35%)

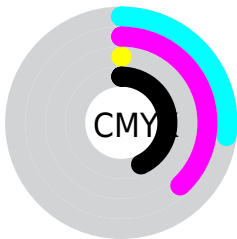
Blue (57%)



Red (42%)

Yellow (35%)

Blue (57%)

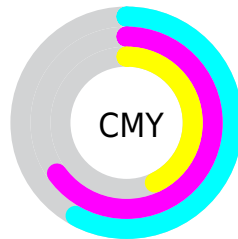


Cyan (27%)

Magenta (38%)

Yellow (0%)

Black (43%)



Cyan (58%)


Magenta (65%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 33.839, 304.124 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, 33.839, 304.124 by changing the saturation by 10% instead.


 42, 33.839,
304.124


 42, 33.839,
304.124


 100, 33.839,
304.124


 32, 33.839,
304.124

 62, 33.839,
304.124


 22, 33.839,
304.124

 72, 33.839,
304.124

 12, 33.839,
304.124

 82, 33.839,
304.124

 2, 33.839, 304.124

 92, 33.839,
304.124

 0, 33.839, 304.124

 42, 33.839,

 42, 33.839,

304.124

37, 43.404,
305.013

33, 53.060,
305.941

28, 62.534,
306.849

24, 71.336,
307.632

21, 78.711,
308.138

19, 84.178,
308.312

18, 85.346,
308.384

304.124

47, 24.497,
303.306

52, 15.438,
302.570

56, 6.682, 301.916

61, 1.773, 121.370

66, 9.938, 120.856

71, 17.825,
120.422

76, 25.452,
120.047

80, 32.832,
119.724

85, 39.982,

Harmonies

Complementary

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



42, 33.839, 304.124



58, 31.324, 119.305

Rectangle

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



42, 33.839, 304.124



42, 33.839, 354.124



42, 33.839, 124.124



42, 33.839, 174.124

Sweetspot

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



42, 33.838, 304.124



70, 11.630, 302.127



52, 15.939, 233.175



36, 7.805, 302.204



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, 33.838, 304.124



50, 50.364, 304.836



45, 36.273, 319.913



28, 4.739, 301.997



16, 80.894, 308.445



0, 3.154, 301.464

Inverse Universe

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



46, 31.254, 336.625



55, 45.562, 337.294



56, 35.630, 136.330



28, 4.574, 334.495



29, 58.203, 343.701



1, 3.067, 333.926

Previews

White Background



This preview shows how the CIELCh color 42, 33.839, 304.124 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, 33.839, 304.124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

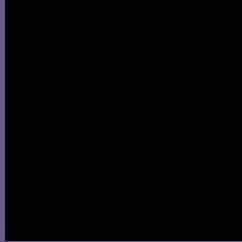
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 33.839, 304.124

Background



This preview shows how black text looks on a background with the CIELCh color 42, 33.839, 304.124.

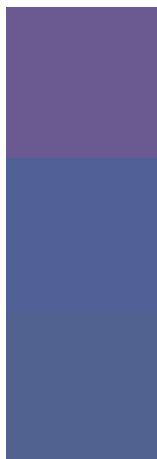


This preview shows how white text looks on a background with the CIELCh color 42, 33.839, 304.124.

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, 33.839, 304.124

Protanopia

42, 32.796, 285.561

Deuteranopia

42, 28.082, 282.892



Tritanopia
42, 4.866, 295.659

Trichromacy



Original Color
42, 33.839, 304.124

Protanomaly
42, 32.614, 291.939

Deuteranomaly
42, 29.638, 291.199

Tritanomaly
42, 15.440, 302.362

Monochromacy



Original Color
42, 33.839, 304.124

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 12.358, 302.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 33.839, 304.124 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(106, 90, 145)` looks like.

```
.text, #text, p{  
    color:rgb(106, 90, 145)  
}
```

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(106, 90, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 90, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 33.839, 304.124 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(106, 90, 145) }
```

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

```
.border{ border-color:rgb(106, 90, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 90, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 90, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 90, 145);  
box-shadow:4px 4px 4px 4px rgb(106, 90,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 33.839, 304.124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 90, 145) }
```

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

```
.background{ background-color: rgb(106, 90,  
145) }
```

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