

Converting Colors

CIELCh(42, 57.902, 308.034)

Have a look what the booklet for
CIELCh(42, 57.902, 308.034)
contains.

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Color

CIELCh(42, 57.892, 307.890)

Conversions

Conversions Part 1

Format	Color
Hex	7350AF
RGB	115, 80, 175
RGB Percent	45%, 31%, 69%
CMY	0.5486, 0.6859, 0.3133
CMYK	0.34, 0.54, 0.00, 0.31
HSL	262°, 37%, 50%
HSV	262°, 54%, 69%
XYZ	17.7049, 12.5000, 42.0862
YIQ	101.2950, -9.6350, 36.9650

Conversions

Conversions Part 2

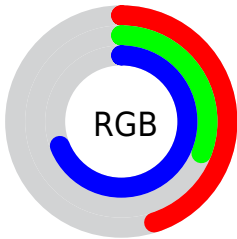
Format	Color
R_{YB}	115, 80, 175
Decimal	7557295
CIE _{Lab}	42.00, 35.55, -45.69
CIE _{LCh}	42, 57.892, 307.890
Yxy	12.5000, 0.2449, 0.1729
Android (android.graphics.Color)	4285747375 (0xFF7350AF)
YUV	101.2950, 36.3366, 12.0193
Hunter-Lab	35.3553, 27.5158, -45.8288

Details

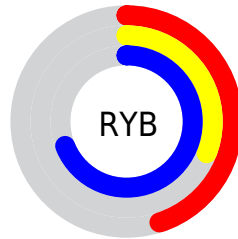
The CIELCh color `42, 57.892, 307.890` is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be `67, 51.988, 121.654`, and the grayscale version is `43, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 58.021, 308.020`, and `22, 58.089, 307.979` is the 20% darker color. If you saturate the color by 10%, you get `37, 68.787, 308.605`, and if you desaturate by 10%, it is `47, 46.776, 307.142`.

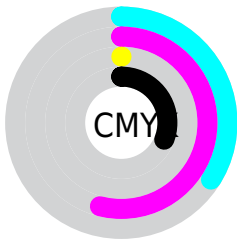
Distribution



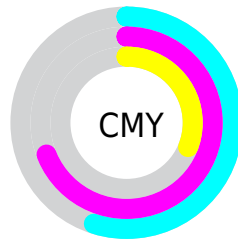
- Red (45%)
- Green (31%)
- Blue (69%)



- Red (45%)
- Yellow (31%)
- Blue (69%)



- Cyan (34%)
- Magenta (54%)
- Yellow (0%)
- Black (31%)




- Cyan (55%)
- Magenta (69%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 57.892, 307.890 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, 57.892, 307.890 by changing the saturation by 10% instead.

 42, 57.892,
307.890


 42, 57.892,
307.890


 100, 57.892,
307.890


 32, 57.892,
307.890

 62, 57.892,
307.890


 22, 57.892,
307.890

 72, 57.892,
307.890

 12, 57.892,
307.890

 82, 57.892,
307.890

 2, 57.892, 307.890

 92, 57.892,
307.890

 0, 57.892, 307.890

 42, 57.892,

 42, 57.892,

307.890

■ 37, 68.787,
308.605

■ 32, 78.954,
309.199

■ 29, 87.617,
309.541

■ 26, 93.855,
309.480

■ 24, 96.686,
309.369

307.890

■ 47, 46.776,
307.142

■ 53, 35.735,
306.413

■ 58, 24.925,
305.732

■ 64, 14.418,
305.113

■ 69, 4.242, 304.550

■ 75, 5.597, 124.089

■ 80, 15.109,
123.654

■ 86, 24.305,
123.281

■ 91, 33.204,
122.958

Harmonies

Complementary

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



42, 57.892, 307.890



67, 51.988, 121.654

Rectangle

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



42, 57.892, 307.890



42, 57.892, 357.890



42, 57.892, 127.890



42, 57.892, 177.890

Sweetspot

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



42, 57.891, 307.890



79, 20.040, 305.232



56, 26.059, 248.826



41, 13.683, 305.355



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



42, 57.891, 307.890



47, 85.887, 308.728



48, 60.380, 323.102



34, 5.633, 304.828



20, 86.340, 309.494



1, 11.618, 301.821

Inverse Universe

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



48, 48.342, 341.970



57, 68.767, 343.477



65, 59.832, 137.231



34, 5.086, 337.827



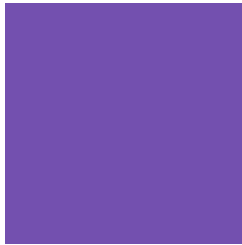
33, 60.033, 349.760



2, 9.958, 341.749

Previews

White Background



This preview shows how the CIELCh color 42, 57.892, 307.890 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, 57.892, 307.890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

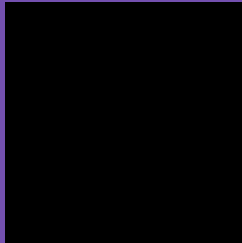
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 57.892, 307.890

Background



This preview shows how black text looks on a background with the CIELCh color 42, 57.892, 307.890.

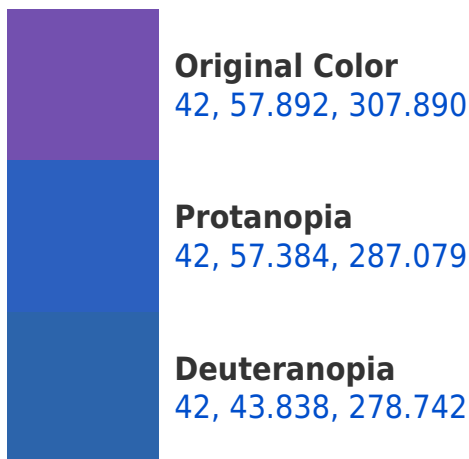


This preview shows how white text looks on a background with the CIELCh color 42, 57.892, 307.890.

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





Tritanopia
42, 5.008, 304.946

Trichromacy



Original Color
42, 57.892, 307.890

Protanomaly
41, 57.234, 293.054

Deuteranomaly
41, 47.795, 289.526

Tritanomaly
42, 24.981, 306.320

Monochromacy



Original Color
42, 57.892, 307.890

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 21.835, 305.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 57.892, 307.890 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(115, 80, 175)` looks like.

```
.text, #text, p{  
    color:rgb(115, 80, 175)  
}
```

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(115, 80, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 80, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 57.892, 307.890 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(115, 80, 175) }
```

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

```
.border{ border-color:rgb(115, 80, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 80, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 80, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 80, 175);  
box-shadow:4px 4px 4px 4px rgb(115, 80,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 57.892, 307.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 80, 175) }
```

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

```
.background{ background-color: rgb(115, 80,  
175) }
```

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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