

Converting Colors

CIELCh(42, 49.299, 308.819)

Have a look what the booklet for
CIELCh(42, 49.299, 308.819)
contains.

CIELCh(42, 49.299, 308.819)	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, 49.299, 308.819)

Conversions

Conversions Part 1

Format	Color
Hex	7453A3
RGB	116, 83, 163
RGB Percent	45%, 33%, 64%
CMY	0.5458, 0.6751, 0.3615
CMYK	0.29, 0.49, 0.00, 0.36
HSL	265°, 33%, 48%
HSV	265°, 49%, 64%
XYZ	16.8539, 12.5000, 36.0891
YIQ	101.9870, -6.0120, 31.8760

Conversions

Conversions Part 2

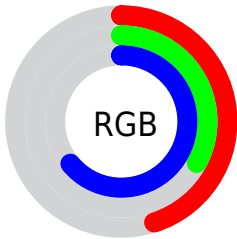
Format	Color
R _Y B	116, 83, 163
Decimal	7623587
CIE Lab	42.00, 30.90, -38.41
CIE LCh	42, 49.299, 308.819
Yxy	12.5000, 0.2575, 0.1910
Android (android.graphics.Color)	4285813667 (0xFF7453A3)
YUV	101.9870, 30.0794, 12.2894
Hunter-Lab	35.3553, 23.2192, -35.7717

Details

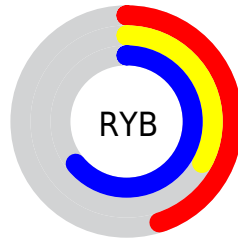
The CIELCh color $42, 49.299, 308.819$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $63, 45.188, 123.587$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 49.284, 308.940$, and $22, 49.799, 308.768$ is the 20% darker color. If you saturate the color by 10%, you get $37, 59.630, 309.460$, and if you desaturate by 10%, it is $47, 38.871, 308.161$.

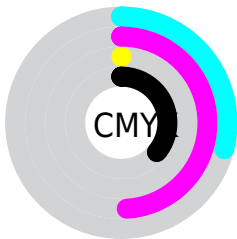
Distribution



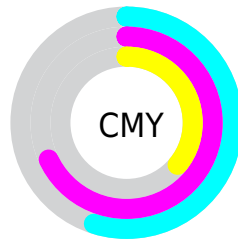
- Red (45%)
- Green (33%)
- Blue (64%)



- Red (45%)
- Yellow (33%)
- Blue (64%)



- Cyan (29%)
- Magenta (49%)
- Yellow (0%)
- Black (36%)




- Cyan (55%)
- Magenta (68%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 49.299, 308.819 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, 49.299, 308.819 by changing the saturation by 10% instead.


 42, 49.299,
308.819


 42, 49.299,
308.819


 100, 49.299,
308.819

 32, 49.299,
308.819

 62, 49.299,
308.819


 22, 49.299,
308.819

 72, 49.299,
308.819

 12, 49.299,
308.819

 82, 49.299,
308.819

 2, 49.299, 308.819

 92, 49.299,
308.819

 0, 49.299, 308.819

 42, 49.299,

 42, 49.299,

308.819

37, 59.630,
309.460

33, 69.501,
310.019

29, 78.333,
310.395

26, 85.360,
310.460

23, 90.335,
310.208

23, 90.770,
310.195

308.819

47, 38.871,
308.161

52, 28.562,
307.524

57, 18.481,
306.930

62, 8.683, 306.387

67, 0.813, 126.005

72, 10.004,
125.492

78, 18.899,
125.112

83, 27.508,
124.783

■ 88, 35.846,
124.497

Harmonies

Complementary

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



42, 49.299, 308.819



63, 45.188, 123.587

Rectangle

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



42, 49.299, 308.819



42, 49.299, 358.819



42, 49.299, 128.819



42, 49.299, 178.819

Sweetspot

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



42, 49.298, 308.819



75, 17.843, 306.716



53, 23.210, 252.041



39, 12.309, 306.827



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



42, 49.298, 308.819



48, 73.681, 309.520



47, 52.287, 323.940



32, 5.396, 306.394



20, 83.429, 310.298



1, 8.231, 304.534

Inverse Universe

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



46, 40.606, 343.688



55, 58.863, 345.109



61, 51.993, 138.431



32, 4.689, 339.871



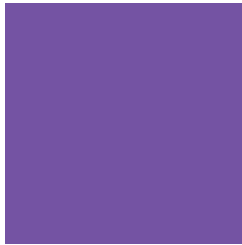
31, 57.370, 353.300



1, 6.955, 341.939

Previews

White Background



This preview shows how the CIELCh color 42, 49.299, 308.819 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 42, 49.299, 308.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

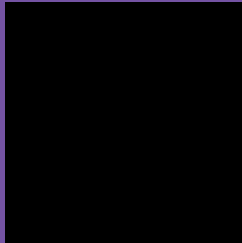
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 49.299, 308.819

Background



This preview shows how black text looks on a background with the CIELCh color 42, 49.299, 308.819.

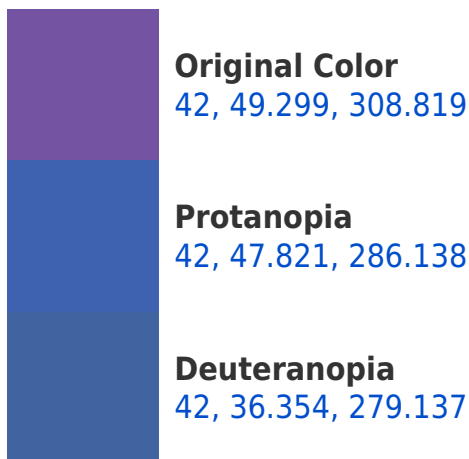


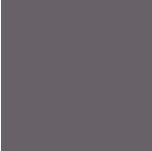
This preview shows how white text looks on a background with the CIELCh color 42, 49.299, 308.819.

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, 5.390, 328.429

Trichromacy



Original Color
42, 49.299, 308.819

Protanomaly
42, 47.614, 293.355

Deuteranomaly
42, 39.863, 291.037

Tritanomaly
42, 21.098, 310.784

Monochromacy



Original Color
42, 49.299, 308.819

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 18.193, 307.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 49.299, 308.819 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(116, 83, 163)` looks like.

```
.text, #text, p{  
    color:rgb(116, 83, 163)  
}
```

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(116, 83, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 83, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 49.299, 308.819 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(116, 83, 163) }
```

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

```
.border{ border-color:rgb(116, 83, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 83, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 83, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 83, 163); box-shadow:4px 4px 4px 4px rgb(116, 83, 163) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 49.299, 308.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 83, 163) }
```

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

```
.background{ background-color: rgb(116, 83,  
163) }
```

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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