

Converting Colors

CIELCh(42, 49.007, 300.924)

Have a look what the booklet for
CIELCh(42, 49.007, 300.924)
contains.

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Color

CIELCh(42, 49.007, 300.924)

Conversions

Conversions Part 1

Format	Color
Hex	6458A9
RGB	100, 88, 169
RGB Percent	39%, 35%, 66%
CMY	0.6087, 0.6557, 0.3381
CMYK	0.41, 0.48, 0.00, 0.34
HSL	249°, 32%, 50%
HSV	249°, 48%, 66%
XYZ	15.8453, 12.5000, 39.0039
YIQ	100.8220, -18.8490, 27.7350

Conversions

Conversions Part 2

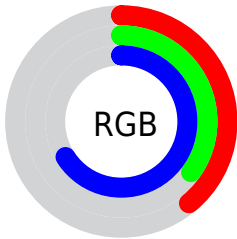
Format	Color
R _Y B	100, 88, 169
Decimal	6576297
CIE _{Lab}	42.00, 25.18, -42.04
CIE _{LCh}	42, 49.007, 300.924
Y _{xy}	12.5000, 0.2353, 0.1856
Android (android.graphics.Color)	4284766377 (0xFF6458A9)
YUV	100.8220, 33.6118, -0.7209
Hunter-Lab	35.3553, 18.1272, -40.6598

Details

The CIELCh color $42, 49.007, 300.924$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $67, 43.408, 112.507$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 49.192, 300.921$, and $22, 49.054, 301.118$ is the 20% darker color. If you saturate the color by 10%, you get $37, 60.169, 302.339$, and if you desaturate by 10%, it is $48, 38.081, 299.626$.

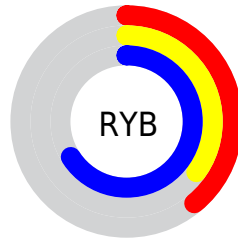
Distribution



Red (39%)

Green (35%)

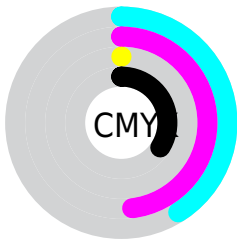
Blue (66%)



Red (39%)

Yellow (35%)

Blue (66%)

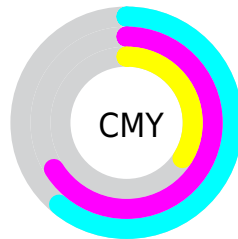


Cyan (41%)

Magenta (48%)

Yellow (0%)

Black (34%)



Cyan (61%)


Magenta (66%)

Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 49.007, 300.924 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, 49.007, 300.924 by changing the saturation by 10% instead.


 42, 49.007,
300.924


 42, 49.007,
300.924


 100, 49.007,
300.924

 32, 49.007,
300.924

 62, 49.007,
300.924


 22, 49.007,
300.924

 72, 49.007,
300.924

 12, 49.007,
300.924

 82, 49.007,
300.924

 2, 49.007, 300.924

 92, 49.007,
300.924

 0, 49.007, 300.924

 42, 49.007,

 42, 49.007,

300.924

300.924

■ 37, 60.169,
302.339

■ 48, 38.081,
299.626

■ 31, 71.266,
303.798

■ 53, 27.513,
298.471

■ 27, 81.667,
305.159

■ 59, 17.337,
297.462

■ 23, 90.291,
306.201

■ 65, 7.549, 296.589

■ 21, 96.166,
306.777

■ 70, 1.868, 115.832

■ 20, 97.262,
306.911

■ 76, 10.937,
115.189

■ 81, 19.681,
114.633

■ 87, 28.121,
114.155

■ 92, 36.278,
113.744

Harmonies

Complementary

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



42, 49.007, 300.924



67, 43.408, 112.507

Rectangle

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



42, 49.007, 300.924



42, 49.007, 350.924



42, 49.007, 120.924



42, 49.007, 170.924

Sweetspot

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



42, 49.006, 300.924



78, 16.589, 297.122



61, 22.831, 213.166



40, 11.481, 297.309



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



42, 49.006, 300.924



47, 74.592, 302.495



46, 50.594, 315.631



33, 5.356, 296.696



17, 88.187, 306.972



1, 9.607, 295.175

Inverse Universe

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



49, 48.607, 331.692



59, 70.676, 332.385



64, 48.335, 131.332



33, 5.805, 329.293



34, 68.716, 335.013



2, 10.167, 330.444

Previews

White Background



This preview shows how the CIELCh color 42, 49.007, 300.924 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, 49.007, 300.924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

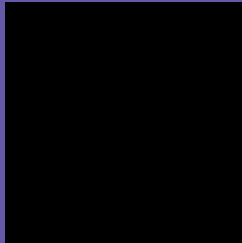
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 49.007, 300.924

Background



This preview shows how black text looks on a background with the CIELCh color 42, 49.007, 300.924.



This preview shows how white text looks on a background with the CIELCh color 42, 49.007, 300.924.

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

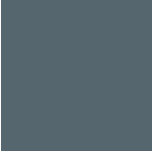
42, 49.007, 300.924

Protanopia

42, 49.035, 286.730

Deuteranopia

42, 40.746, 278.726



Tritanopia
42, 7.995, 236.157

Trichromacy



Original Color
42, 49.007, 300.924

Protanomaly
42, 48.845, 291.238

Deuteranomaly
42, 43.029, 286.660

Tritanomaly
42, 20.646, 286.284

Monochromacy



Original Color
42, 49.007, 300.924

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 18.287, 298.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 49.007, 300.924 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(100, 88, 169)` looks like.

```
.text, #text, p{  
    color:rgb(100, 88, 169)  
}
```

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(100, 88, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 88, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 49.007, 300.924 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(100, 88, 169) }
```

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

```
.border{ border-color:rgb(100, 88, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 88, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 88, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 88, 169);  
box-shadow:4px 4px 4px 4px rgb(100, 88,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 49.007, 300.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 88, 169) }
```

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

```
.background{ background-color: rgb(100, 88,  
169) }
```

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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