

Converting Colors

CIELCh(42, 65.003, 309.873)

Have a look what the booklet for
CIELCh(42, 65.003, 309.873)
contains.

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Color

CIELCh(42, 64.954, 309.970)

Conversions

Conversions Part 1

Format	Color
Hex	794BB6
RGB	121, 75, 182
RGB Percent	47%, 29%, 71%
CMY	0.5251, 0.7055, 0.2858
CMYK	0.33, 0.59, 0.00, 0.29
HSL	266°, 42%, 50%
HSV	266°, 59%, 71%
XYZ	18.8778, 12.5000, 45.7327
YIQ	100.9520, -6.9310, 43.0290

Conversions

Conversions Part 2

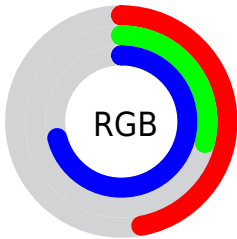
Format	Color
R_{YB}	121, 75, 182
Decimal	7949238
CIE _{Lab}	42.00, 41.73, -49.78
CIE _{LCh}	42, 64.954, 309.970
Yxy	12.5000, 0.2448, 0.1621
Android (android.graphics.Color)	4286139318 (0xFF794BB6)
YUV	100.9520, 39.9567, 17.5821
Hunter-Lab	35.3553, 33.4374, -51.9439

Details

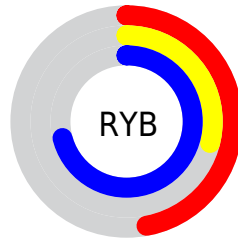
The CIELCh color $42, 64.954, 309.970$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $69, 58.504, 123.911$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 64.986, 309.975$, and $22, 65.029, 310.118$ is the 20% darker color. If you saturate the color by 10%, you get $37, 75.679, 310.490$, and if you desaturate by 10%, it is $47, 53.678, 309.360$.

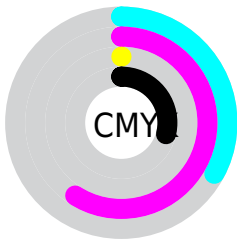
Distribution



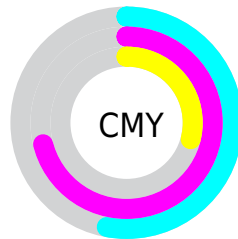
- Red (47%)
- Green (29%)
- Blue (71%)



- Red (47%)
- Yellow (29%)
- Blue (71%)



- Cyan (33%)
- Magenta (59%)
- Yellow (0%)
- Black (29%)





- Cyan (53%)
- Magenta (71%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 64.954, 309.970 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, 64.954, 309.970 by changing the saturation by 10% instead.


 42, 64.954,
309.970


 42, 64.954,
309.970


 100, 64.954,
309.970


 32, 64.954,
309.970

 62, 64.954,
309.970


 22, 64.954,
309.970

 72, 64.954,
309.970

 12, 64.954,
309.970


 82, 64.954,
309.970

 2, 64.954, 309.970

 92, 64.954,
309.970

 0, 64.954, 309.970

 42, 64.954,

 42, 64.954,

309.970

309.970

■ 37, 75.679,
310.490

■ 47, 53.678,
309.360

■ 33, 85.213,
310.819

■ 53, 42.271,
308.725

■ 30, 92.717,
310.829

■ 58, 30.973,
308.107

■ 27, 97.759,
310.473

■ 64, 19.916,
307.528

■ 27, 98.351,
310.435

■ 69, 9.162, 306.995

■ 75, 1.264, 126.600

■ 80, 11.356,
126.118

■ 86, 21.122,
125.744

■ 91, 30.576,
125.420

Harmonies

Complementary

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



42, 64.954, 309.970



69, 58.504, 123.911

Rectangle

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



42, 64.954, 309.970



42, 64.954, 359.970



42, 64.954, 129.970



42, 64.954, 179.970

Sweetspot

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



42, 64.953, 309.970



81, 23.665, 307.503



55, 30.216, 257.167



42, 16.649, 307.666



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



42, 64.953, 309.970



47, 96.444, 310.631



49, 67.204, 324.794



36, 5.968, 307.025



22, 87.418, 310.569



1, 15.795, 302.654

Inverse Universe

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



48, 51.500, 346.018



57, 73.062, 348.266



66, 67.175, 137.897



36, 5.107, 340.741



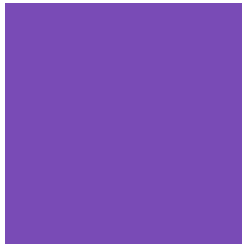
33, 59.809, 355.028



3, 12.746, 346.748

Previews

White Background



This preview shows how the CIELCh color 42, 64.954, 309.970 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, 64.954, 309.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

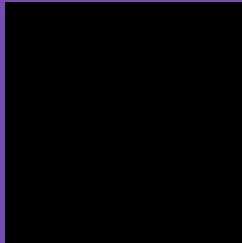
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 64.954, 309.970

Background



This preview shows how black text looks on a background with the CIELCh color 42, 64.954, 309.970.



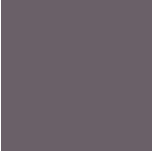
This preview shows how white text looks on a background with the CIELCh color 42, 64.954, 309.970.

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, 6.387, 331.049

Trichromacy



Original Color
42, 64.954, 309.970

Protanomaly
40, 65.295, 291.535

Deuteranomaly
41, 52.686, 289.299

Tritanomaly
41, 28.104, 311.389

Monochromacy



Original Color
42, 64.954, 309.970

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 23.862, 307.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 64.954, 309.970 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(121, 75, 182)` looks like.

```
.text, #text, p{  
    color:rgb(121, 75, 182)  
}
```

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(121, 75, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 75, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 64.954, 309.970 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(121, 75, 182) }
```

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

```
.border{ border-color:rgb(121, 75, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 75, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 75, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 75, 182);  
box-shadow:4px 4px 4px 4px rgb(121, 75,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 64.954, 309.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 75, 182) }
```

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

```
.background{ background-color: rgb(121, 75,  
182) }
```

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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