

Converting Colors

CIELCh(42, 48.416, 322.578)

Have a look what the booklet for
CIELCh(42, 48.416, 322.578)
contains.

CIELCh(42, 48.165, 322.381)	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, 48.165, 322.381)

Conversions

Conversions Part 1

Format	Color
Hex	894B94
RGB	137, 75, 148
RGB Percent	54%, 29%, 58%
CMY	0.4626, 0.7057, 0.4194
CMYK	0.07, 0.49, 0.00, 0.42
HSL	291°, 33%, 44%
HSV	291°, 49%, 58%
XYZ	18.1923, 12.5000, 29.4901
YIQ	101.8600, 13.5190, 35.8470

Conversions

Conversions Part 2

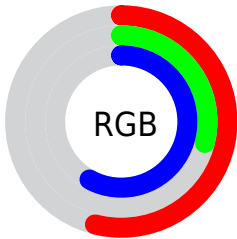
Format	Color
R_{YB}	137, 75, 148
Decimal	8997780
CIE _{Lab}	42.00, 38.15, -29.40
CIE _{LCh}	42, 48.165, 322.381
Yxy	12.5000, 0.3023, 0.2077
Android (android.graphics.Color)	4287187860 (0xFF894B94)
YUV	101.8600, 22.7470, 30.8178
Hunter-Lab	35.3553, 29.9765, -24.7054

Details

The CIELCh color $42, 48.165, 322.381$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $56, 47.585, 137.261$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 47.976, 322.548$, and $22, 48.012, 322.317$ is the 20% darker color. If you saturate the color by 10%, you get $39, 56.898, 322.688$, and if you desaturate by 10%, it is $46, 38.737, 322.001$.

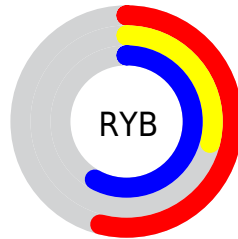
Distribution



Red (54%)

Green (29%)

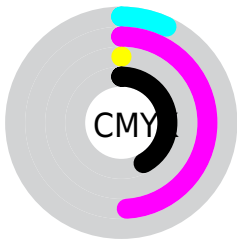
Blue (58%)



Red (54%)

Yellow (29%)

Blue (58%)

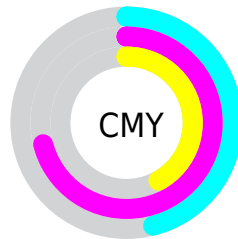


Cyan (7%)

Magenta (49%)

Yellow (0%)

Black (42%)



Cyan (46%)

Magenta (71%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 48.165, 322.381 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, 48.165, 322.381 by changing the saturation by 10% instead.

 42, 48.165,
322.381


 42, 48.165,
322.381


 100, 48.165,
322.381


 32, 48.165,
322.381

 62, 48.165,
322.381


 22, 48.165,
322.381

 72, 48.165,
322.381

 12, 48.165,
322.381

 82, 48.165,
322.381

 2, 48.165, 322.381

 92, 48.165,
322.381

 0, 48.165, 322.381

 42, 48.165,

 42, 48.165,

322.381

■ 39, 56.898,
322.688

■ 36, 64.549,
322.889

■ 34, 70.705,
322.950

■ 32, 75.029,
322.840

■ 31, 77.787,
322.584

■ 31, 77.973,
322.567

322.381

■ 46, 38.737,
322.001

■ 49, 28.937,
321.576

■ 53, 19.003,
321.126

■ 57, 9.101, 320.663

■ 62, 0.661, 140.505

■ 66, 10.217,
139.823

■ 70, 19.528,
139.405

■ 74, 28.578,
139.016

■ 79, 37.362,
138.655

Harmonies

Complementary

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



42, 48.165, 322.381



56, 47.585, 137.261

Rectangle

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



42, 48.165, 322.381



42, 48.165, 12.381



42, 48.165, 142.381



42, 48.165, 192.381

Sweetspot

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



42, 48.163, 322.381



70, 18.147, 320.942



39, 37.277, 290.057



36, 12.494, 321.030



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



42, 48.163, 322.381



50, 69.599, 322.710



42, 39.627, 339.586



29, 5.518, 320.658



28, 73.956, 322.602



1, 4.791, 320.263

Inverse Universe

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



41, 32.692, 13.533



49, 48.688, 16.131



56, 39.091, 151.104



29, 3.404, 7.813



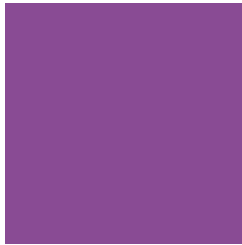
28, 59.925, 31.570



1, 2.903, 7.082

Previews

White Background



This preview shows how the CIELCh color 42, 48.165, 322.381 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, 48.165, 322.381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

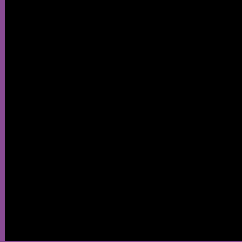
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 48.165, 322.381

Background



This preview shows how black text looks on a background with the CIELCh color 42, 48.165, 322.381.



This preview shows how white text looks on a background with the CIELCh color 42, 48.165, 322.381.

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, 48.165, 322.381

Protanopia

42, 42.993, 286.267

Deuteranopia

42, 27.457, 282.456



Tritanopia
42, 18.661, 9.279

Trichromacy



Original Color
42, 48.165, 322.381

Protanomaly
41, 43.636, 298.201

Deuteranomaly
42, 33.677, 301.789

Tritanomaly
42, 27.220, 340.706

Monochromacy



Original Color
42, 48.165, 322.381

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 18.710, 321.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 48.165, 322.381 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(137, 75, 148)` looks like.

```
.text, #text, p{  
    color:rgb(137, 75, 148)  
}
```

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(137, 75, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 75, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 48.165, 322.381 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(137, 75, 148) }
```

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

```
.border{ border-color:rgb(137, 75, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 75, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 75, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 75, 148);  
box-shadow:4px 4px 4px 4px rgb(137, 75,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 48.165, 322.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 75, 148) }
```

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

```
.background{ background-color: rgb(137, 75,  
148) }
```

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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