

Converting Colors

CIELCh(42, 46.823, 319.840)

Have a look what the booklet for
CIELCh(42, 46.823, 319.840)
contains.

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Color

CIELCh(42, 46.958, 320.136)

Conversions

Conversions Part 1

Format	Color
Hex	854D95
RGB	133, 77, 149
RGB Percent	52%, 30%, 58%
CMY	0.4778, 0.6975, 0.4151
CMYK	0.11, 0.48, 0.00, 0.42
HSL	287°, 32%, 44%
HSV	287°, 48%, 58%
XYZ	17.7961, 12.5000, 29.9701
YIQ	101.9520, 10.2640, 34.2640

Conversions

Conversions Part 2

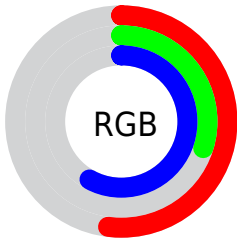
Format	Color
R_{YB}	133, 77, 149
Decimal	8736149
CIE _{Lab}	42.00, 36.04, -30.10
CIE _{LCh}	42, 46.958, 320.136
Yxy	12.5000, 0.2953, 0.2074
Android (android.graphics.Color)	4286926229 (0xFF854D95)
YUV	101.9520, 23.1947, 27.2291
Hunter-Lab	35.3553, 27.9760, -25.5103

Details

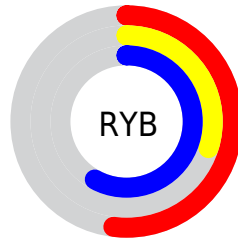
The CIELCh color $42, 46.958, 320.136$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $56, 45.931, 135.515$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 46.635, 320.429$, and $22, 46.815, 319.863$ is the 20% darker color. If you saturate the color by 10%, you get $39, 55.941, 320.437$, and if you desaturate by 10%, it is $46, 37.414, 319.762$.

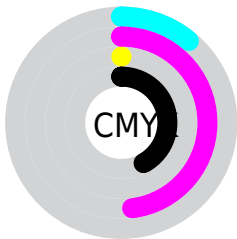
Distribution



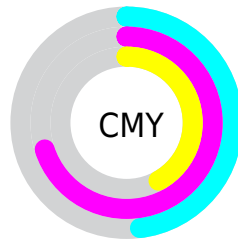
- Red (52%)
- Green (30%)
- Blue (58%)



- Red (52%)
- Yellow (30%)
- Blue (58%)



- Cyan (11%)
- Magenta (48%)
- Yellow (0%)
- Black (42%)



- Cyan (48%)
- Magenta (70%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 46.958, 320.136 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, 46.958, 320.136 by changing the saturation by 10% instead.

 42, 46.958,
320.136


 42, 46.958,
320.136


 100, 46.958,
320.136


 32, 46.958,
320.136

 62, 46.958,
320.136


 22, 46.958,
320.136

 72, 46.958,
320.136

 12, 46.958,
320.136

 82, 46.958,
320.136

 2, 46.958, 320.136

 92, 46.958,
320.136

 0, 46.958, 320.136

 42, 46.958,

 42, 46.958,

320.136

■ 39, 55.941,
320.437

■ 35, 63.983,
320.627

■ 33, 70.641,
320.659

■ 31, 75.509,
320.489

■ 29, 78.646,
320.122

■ 29, 79.163,
320.061

320.136

■ 46, 37.414,
319.762

■ 50, 27.608,
319.348

■ 54, 17.748,
318.914

■ 58, 7.973, 318.473

■ 63, 1.630, 138.175

■ 67, 11.010,
137.690

■ 71, 20.142,
137.309

■ 76, 29.014,
136.958

■ 80, 37.628,
136.635

Harmonies

Complementary

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



42, 46.958, 320.136



56, 45.931, 135.515

Rectangle

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



42, 46.958, 320.136



42, 46.958, 10.136



42, 46.958, 140.136



42, 46.958, 190.136

Sweetspot

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



42, 46.956, 320.136



71, 16.777, 318.739



41, 33.662, 286.198



36, 11.567, 318.825



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, 46.956, 320.136



50, 68.809, 320.459



43, 40.846, 336.418



29, 5.407, 318.514



27, 74.670, 320.114



1, 4.691, 318.141

Inverse Universe

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



42, 32.231, 7.891



50, 48.076, 10.379



56, 40.628, 148.706



29, 3.486, 2.349



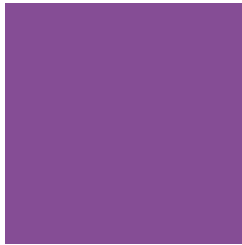
28, 57.288, 26.261



1, 2.984, 1.571

Previews

White Background



This preview shows how the CIELCh color 42, 46.958, 320.136 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, 46.958, 320.136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

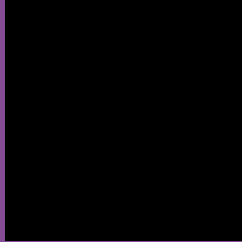
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 46.958, 320.136

Background



This preview shows how black text looks on a background with the CIELCh color 42, 46.958, 320.136.



This preview shows how white text looks on a background with the CIELCh color 42, 46.958, 320.136.

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, 46.958, 320.136

Protanopia

42, 42.386, 286.324

Deuteranopia

42, 28.086, 282.231



Tritanopia
42, 15.945, 8.752

Trichromacy



Original Color
42, 46.958, 320.136

Protanomaly
42, 42.973, 297.729

Deuteranomaly
42, 34.122, 299.989

Tritanomaly
42, 25.131, 337.483

Monochromacy



Original Color
42, 46.958, 320.136

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 17.629, 318.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 46.958, 320.136 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(133, 77, 149)` looks like.

```
.text, #text, p{  
    color:rgb(133, 77, 149)  
}
```

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(133, 77, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 77, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 46.958, 320.136 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(133, 77, 149) }
```

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

```
.border{ border-color:rgb(133, 77, 149) }
```

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

Here you see how a box with a 4 pixel rgb(133, 77, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 77, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 77, 149);  
box-shadow:4px 4px 4px 4px rgb(133, 77,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 46.958, 320.136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 77, 149) }
```

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

```
.background{ background-color: rgb(133, 77,  
149) }
```

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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