

Converting Colors

CIELCh(45, 35.902, 321.700)

Have a look what the booklet for
CIELCh(45, 35.902, 321.700)
contains.

CIELCh(45, 36.032, 321.435)	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(45, 36.032, 321.435)

Conversions

Conversions Part 1

Format	Color
Hex	875A90
RGB	135, 90, 144
RGB Percent	53%, 35%, 56%
CMY	0.4696, 0.6462, 0.4344
CMYK	0.06, 0.37, 0.00, 0.43
HSL	290°, 23%, 46%
HSV	290°, 37%, 57%
XYZ	18.7575, 14.5417, 28.2994
YIQ	109.6110, 9.4860, 26.3340

Conversions

Conversions Part 2

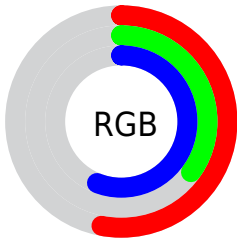
Format	Color
RYB	135, 90, 144
Decimal	8870544
CIELab	45.00, 28.17, -22.46
CIELCh	45, 36.032, 321.435
Yxy	14.5417, 0.3045, 0.2361
Android (android.graphics.Color)	4287060624 (0xFF875A90)
YUV	109.6110, 16.9538, 22.2662
Hunter-Lab	38.1336, 21.0685, -17.3064

Details

The CIELCh color $45, 36.032, 321.435$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $56, 35.581, 137.715$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 35.961, 321.362$, and $25, 35.593, 321.538$ is the 20% darker color. If you saturate the color by 10%, you get $41, 45.351, 321.821$, and if you desaturate by 10%, it is $49, 26.415, 321.009$.

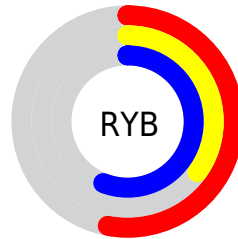
Distribution



Red (53%)

Green (35%)

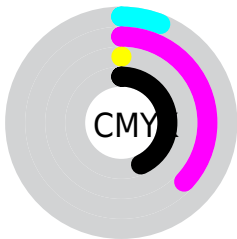
Blue (56%)



Red (53%)

Yellow (35%)

Blue (56%)

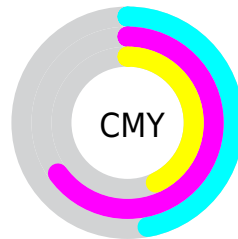


Cyan (6%)

Magenta (37%)

Yellow (0%)

Black (43%)



Cyan (47%)


Magenta (65%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 36.032, 321.435 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 45, 36.032, 321.435 by changing the saturation by 10% instead.


 45, 36.032,
321.435


 45, 36.032,
321.435


 100, 36.032,
321.435


 35, 36.032,
321.435

 65, 36.032,
321.435


 25, 36.032,
321.435

 75, 36.032,
321.435

 15, 36.032,
321.435

 85, 36.032,
321.435

 5, 36.032, 321.435

 95, 36.032,
321.435

 0, 36.032, 321.435

 45, 36.032,

 45, 36.032,

321.435

41, 45.351,
321.821

38, 54.085,
322.139

35, 61.864,
322.356

33, 68.280,
322.436

31, 72.968,
322.344

30, 75.943,
322.079

29, 76.651,
322.010

321.435

49, 26.415,
321.009

53, 16.718,
320.562

57, 7.083, 320.104

61, 2.394, 139.763

65, 11.660,
139.288

69, 20.683,
138.885

74, 29.451,
138.510

78, 37.961,
138.163

 82, 46.218,
137.844

Harmonies

Complementary

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



45, 36.032, 321.435



56, 35.581, 137.715

Rectangle

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



45, 36.032, 321.435



45, 36.032, 11.435



45, 36.032, 141.435



45, 36.032, 191.435

Sweetspot

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



45, 36.030, 321.435



71, 13.066, 320.280



43, 27.145, 287.635



36, 8.759, 320.334



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 36.030, 321.435



55, 53.631, 321.767



45, 29.873, 338.484



28, 5.334, 320.184



27, 73.099, 322.045



1, 3.576, 319.798

Inverse Universe

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



45, 23.823, 10.115



54, 36.175, 11.621



55, 29.429, 152.503



28, 3.321, 6.567



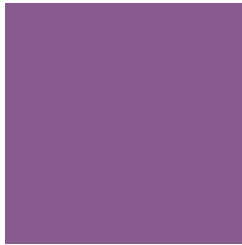
27, 58.454, 30.366



0, 2.189, 5.827

Previews

White Background



This preview shows how the CIELCh color 45, 36.032, 321.435 looks on a white background.

Color Contrast Check

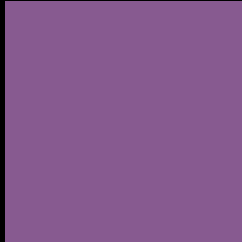
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 36.032, 321.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

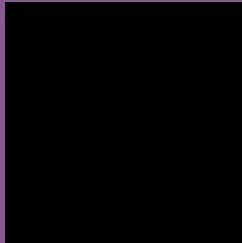
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 36.032, 321.435

Background



This preview shows how black text looks on a background with the CIELCh color 45, 36.032, 321.435.



This preview shows how white text looks on a background with the CIELCh color 45, 36.032, 321.435.

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

45, 36.032, 321.435

Protanopia

45, 30.576, 285.286

Deuteranopia

45, 21.548, 286.605



Tritanopia
45, 14.279, 2.017

Trichromacy



Original Color
45, 36.032, 321.435

Protanomaly
45, 31.209, 298.086

Deuteranomaly
45, 25.574, 303.254

Tritanomaly
45, 20.978, 337.276

Monochromacy



Original Color
45, 36.032, 321.435

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 13.024, 320.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 36.032, 321.435 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(135, 90, 144)` looks like.

```
.text, #text, p{  
    color:rgb(135, 90, 144)  
}
```

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(135, 90, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 90, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 36.032, 321.435 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(135, 90, 144) }
```

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

```
.border{ border-color:rgb(135, 90, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 90, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 90, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 90, 144);  
box-shadow:4px 4px 4px 4px rgb(135, 90,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 36.032, 321.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 90, 144) }
```

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

```
.background{ background-color: rgb(135, 90,  
144) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor