

Converting Colors

CIELCh(45, 41.760, 310.612)

Have a look what the booklet for
CIELCh(45, 41.760, 310.612)
contains.

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Color

CIELCh(45, 42.095, 310.695)

Conversions

Conversions Part 1

Format	Color
Hex	7D5CA0
RGB	125, 92, 160
RGB Percent	49%, 36%, 63%
CMY	0.5099, 0.6393, 0.3727
CMYK	0.22, 0.43, 0.00, 0.37
HSL	269°, 27%, 49%
HSV	269°, 43%, 63%
XYZ	18.6175, 14.5417, 35.0649
YIQ	109.6190, -2.1600, 28.1440

Conversions

Conversions Part 2

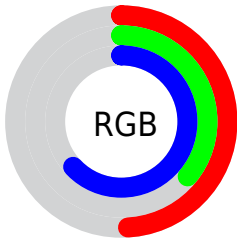
Format	Color
R_{YB}	125, 92, 160
Decimal	8215712
CIE _{Lab}	45.00, 27.45, -31.92
CIE _{LCh}	45, 42.095, 310.695
Yxy	14.5417, 0.2729, 0.2131
Android (android.graphics.Color)	4286405792 (0xFF7D5CA0)
YUV	109.6190, 24.8378, 13.4891
Hunter-Lab	38.1336, 20.4130, -27.8253

Details

The CIELCh color `45, 42.095, 310.695` is a dark color, and the websafe version is hex `996699`. A complement of this color would be `62, 39.540, 126.589`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 41.947, 310.719`, and `25, 42.074, 310.678` is the 20% darker color. If you saturate the color by 10%, you get `40, 52.282, 311.235`, and if you desaturate by 10%, it is `50, 31.880, 310.144`.

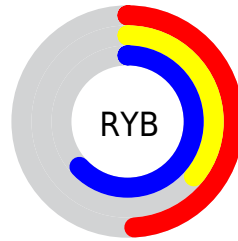
Distribution



Red (49%)

Green (36%)

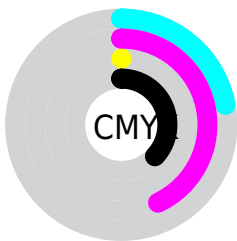
Blue (63%)



Red (49%)

Yellow (36%)

Blue (63%)

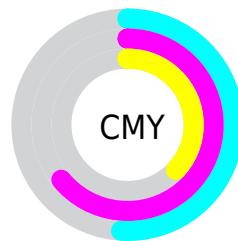


Cyan (22%)

Magenta (43%)

Yellow (0%)

Black (37%)



Cyan (51%)


Magenta (64%)


Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 42.095, 310.695 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, 42.095, 310.695 by changing the saturation by 10% instead.


 45, 42.095,
310.695


 45, 42.095,
310.695


 100, 42.095,
310.695


 35, 42.095,
310.695

 65, 42.095,
310.695


 25, 42.095,
310.695

 75, 42.095,
310.695

 15, 42.095,
310.695

 85, 42.095,
310.695

 5, 42.095, 310.695

 95, 42.095,
310.695

 0, 42.095, 310.695

 45, 42.095,

 45, 42.095,

310.695

40, 52.282,
311.235

36, 62.170,
311.716

32, 71.323,
312.069

28, 79.133,
312.196

26, 84.909,
311.982

24, 88.225,
311.691

310.695

50, 31.880,
310.144

55, 21.803,
309.611

60, 11.951,
309.109

65, 2.367, 308.620

70, 6.933, 128.263

75, 15.946,
127.889

79, 24.678,
127.563

84, 33.141,
127.277

■ 89, 41.348,
127.029

Harmonies

Complementary

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



45, 42.095, 310.695



62, 39.540, 126.589

Rectangle

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



45, 42.095, 310.695



45, 42.095, 0.695



45, 42.095, 130.695



45, 42.095, 180.695

Sweetspot

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



45, 42.094, 310.695



76, 15.466, 309.145



52, 21.760, 260.827



39, 10.832, 309.248



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 42.094, 310.695



53, 63.151, 311.207



49, 45.782, 326.164



31, 5.327, 308.952



21, 81.106, 311.801



1, 6.850, 307.667

Inverse Universe

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



48, 33.448, 346.984



58, 49.367, 348.264



60, 45.836, 140.880



31, 4.343, 343.565



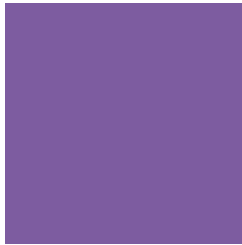
30, 55.301, 359.685



1, 5.520, 344.288

Previews

White Background



This preview shows how the CIELCh color 45, 42.095, 310.695 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, 42.095, 310.695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

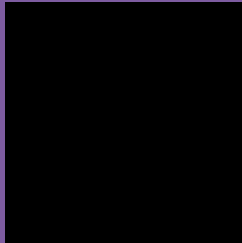
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 42.095, 310.695

Background



This preview shows how black text looks on a background with the CIELCh color 45, 42.095, 310.695.



This preview shows how white text looks on a background with the CIELCh color 45, 42.095, 310.695.

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, 42.095, 310.695

Protanopia

45, 39.529, 285.346

Deuteranopia

45, 30.789, 281.986



Tritanopia
45, 7.174, 338.684

Trichromacy



Original Color
45, 42.095, 310.695

Protanomaly
45, 39.962, 294.163

Deuteranomaly
45, 34.033, 294.199

Tritanomaly
45, 19.592, 315.617

Monochromacy



Original Color
45, 42.095, 310.695

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 15.682, 309.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 42.095, 310.695 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(125, 92, 160)` looks like.

```
.text, #text, p{  
    color:rgb(125, 92, 160)  
}
```

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(125, 92, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 92, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 42.095, 310.695 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(125, 92, 160) }
```

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

```
.border{ border-color:rgb(125, 92, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 92, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 92, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 92, 160);  
box-shadow:4px 4px 4px 4px rgb(125, 92,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 42.095, 310.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 92, 160) }
```

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

```
.background{ background-color: rgb(125, 92,  
160) }
```

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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