

Converting Colors

CIELCh(45, 36.433, 310.223)

Have a look what the booklet for
CIELCh(45, 36.433, 310.223)
contains.

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Color

CIELCh(45, 36.645, 310.123)

Conversions

Conversions Part 1

Format	Color
Hex	7A5E99
RGB	122, 94, 153
RGB Percent	48%, 37%, 60%
CMY	0.5202, 0.6300, 0.3986
CMYK	0.20, 0.38, 0.00, 0.40
HSL	268°, 24%, 49%
HSV	268°, 38%, 60%
XYZ	17.8901, 14.5417, 32.1602
YIQ	109.0980, -2.2510, 24.2850

Conversions

Conversions Part 2

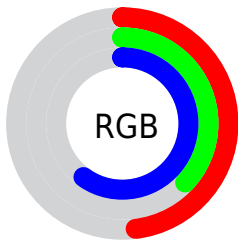
Format	Color
R_{YB}	122, 94, 153
Decimal	8019609
CIE Lab	45.00, 23.62, -28.02
CIE LCh	45, 36.645, 310.123
Yxy	14.5417, 0.2770, 0.2251
Android (android.graphics.Color)	4286209689 (0xFF7A5E99)
YUV	109.0980, 21.6437, 11.3151
Hunter-Lab	38.1336, 17.0081, -23.3091

Details

The CIELCh color $45, 36.645, 310.123$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 34.609, 126.394$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 36.668, 309.753$, and $25, 37.039, 310.248$ is the 20% darker color. If you saturate the color by 10%, you get $40, 46.530, 310.684$, and if you desaturate by 10%, it is $50, 26.820, 309.568$.

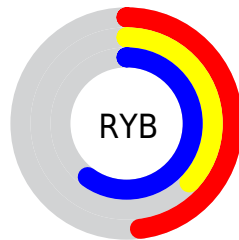
Distribution



Red (48%)

Green (37%)

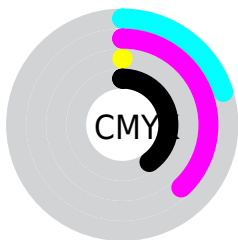
Blue (60%)



Red (48%)

Yellow (37%)

Blue (60%)

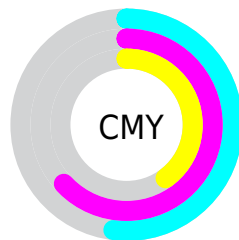


Cyan (20%)

Magenta (38%)

Yellow (0%)

Black (40%)



Cyan (52%)


Magenta (63%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 36.645, 310.123 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, 36.645, 310.123 by changing the saturation by 10% instead.


 45, 36.645,
310.123


 45, 36.645,
310.123


 100, 36.645,
310.123


 35, 36.645,
310.123

 65, 36.645,
310.123


 25, 36.645,
310.123

 75, 36.645,
310.123

 15, 36.645,
310.123

 85, 36.645,
310.123

 5, 36.645, 310.123

 95, 36.645,
310.123

 0, 36.645, 310.123

 45, 36.645,

 45, 36.645,

310.123

40, 46.530,
310.684

36, 56.269,
311.212

32, 65.513,
311.648

28, 73.748,
311.905

25, 80.313,
311.871

23, 84.994,
311.536

23, 85.700,
311.499

310.123

50, 26.820,
309.568

54, 17.176,
309.039

59, 7.775, 308.546

64, 1.356, 128.183

69, 10.209,
127.729

74, 18.787,
127.374

78, 27.098,
127.064

83, 35.154,
126.793

■ 88, 42.968,
126.558

Harmonies

Complementary

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



45, 36.645, 310.123



60, 34.609, 126.394

Rectangle

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



45, 36.645, 310.123



45, 36.645, 0.123



45, 36.645, 130.123



45, 36.645, 180.123

Sweetspot

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



45, 36.644, 310.123



73, 13.659, 308.727



51, 18.794, 257.916



37, 9.052, 308.784



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



45, 36.644, 310.123



53, 54.507, 310.596



48, 40.087, 325.481



30, 5.173, 308.582



20, 80.214, 311.588



1, 5.514, 307.896

Inverse Universe

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



47, 29.504, 345.874



57, 43.319, 346.906



58, 40.050, 140.896



30, 4.257, 342.999



30, 54.734, 358.650



1, 4.526, 342.769

Previews

White Background



This preview shows how the CIELCh color 45, 36.645, 310.123 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, 36.645, 310.123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

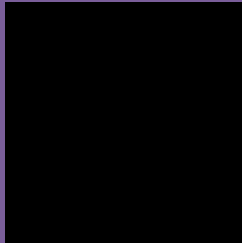
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 36.645, 310.123

Background



This preview shows how black text looks on a background with the CIELCh color 45, 36.645, 310.123.



This preview shows how white text looks on a background with the CIELCh color 45, 36.645, 310.123.

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, 36.645, 310.123

Protanopia
45, 34.151, 285.425

Deuteranopia
45, 27.110, 282.703



Tritanopia
45, 6.874, 336.332

Trichromacy



Original Color
45, 36.645, 310.123

Protanomaly
45, 34.621, 294.280

Deuteranomaly
45, 29.859, 294.205

Tritanomaly
45, 17.113, 316.324

Monochromacy



Original Color
45, 36.645, 310.123

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 13.170, 308.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 36.645, 310.123 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(122, 94, 153)` looks like.

```
.text, #text, p{  
    color:rgb(122, 94, 153)  
}
```

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(122, 94, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 94, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 36.645, 310.123 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(122, 94, 153) }
```

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

```
.border{ border-color:rgb(122, 94, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 94, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 94, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 94, 153);  
box-shadow:4px 4px 4px 4px rgb(122, 94,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 36.645, 310.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 94, 153) }
```

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

```
.background{ background-color: rgb(122, 94,  
153) }
```

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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