

Converting Colors

CIELCh(44, 39.719, 304.543)

Have a look what the booklet for
CIELCh(44, 39.719, 304.543)
contains.

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Color

CIELCh(44, 40.159, 304.368)

Conversions

Conversions Part 1

Format	Color
Hex	705D9F
RGB	112, 93, 159
RGB Percent	44%, 36%, 62%
CMY	0.5599, 0.6344, 0.3755
CMYK	0.30, 0.41, 0.00, 0.38
HSL	257°, 26%, 50%
HSV	257°, 41%, 62%
XYZ	16.9237, 13.8382, 34.6889
YIQ	106.2050, -9.8620, 24.5540

Conversions

Conversions Part 2

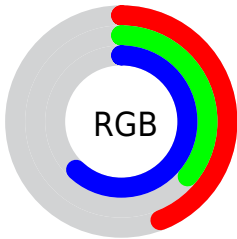
Format	Color
R_{YB}	112, 93, 159
Decimal	7363999
CIE _{Lab}	44.00, 22.67, -33.15
CIE _{LCh}	44, 40.159, 304.368
Yxy	13.8382, 0.2586, 0.2114
Android (android.graphics.Color)	4285554079 (0xFF705D9F)
YUV	106.2050, 26.0279, 5.0822
Hunter-Lab	37.1997, 16.1073, -29.2483

Details

The CIELCh color $44, 40.159, 304.368$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $63, 36.806, 118.966$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 39.831, 304.066$, and $24, 39.829, 304.007$ is the 20% darker color. If you saturate the color by 10%, you get $39, 50.531, 305.292$, and if you desaturate by 10%, it is $49, 29.987, 303.508$.

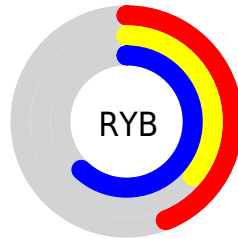
Distribution



Red (44%)

Green (36%)

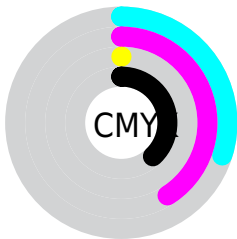
Blue (62%)



Red (44%)

Yellow (36%)

Blue (62%)

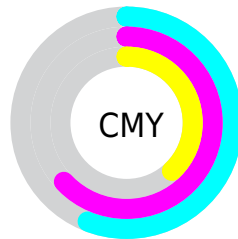


Cyan (30%)

Magenta (41%)

Yellow (0%)

Black (38%)



Cyan (56%)

Magenta (63%)

Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 40.159, 304.368 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 44, 40.159, 304.368 by changing the saturation by 10% instead.


 44, 40.159,
304.368

 44, 40.159,
304.368


 100, 40.159,
304.368

 34, 40.159,
304.368

 64, 40.159,
304.368

 24, 40.159,
304.368

 74, 40.159,
304.368

 14, 40.159,
304.368

 84, 40.159,
304.368

 4, 40.159, 304.368

 94, 40.159,
304.368

 0, 40.159, 304.368

 44, 40.159,

 44, 40.159,

304.368

■ 39, 50.531,
305.292

■ 34, 60.910,
306.238

■ 30, 70.912,
307.128

■ 26, 79.881,
307.832

■ 22, 86.888,
308.178

■ 20, 91.390,
308.274

304.368

■ 49, 29.987,
303.508

■ 54, 20.108,
302.729

■ 60, 10.553,
302.036

■ 65, 1.328, 301.404

■ 70, 7.576, 120.907

■ 75, 16.173,
120.444

■ 80, 24.481,
120.045

■ 85, 32.516,
119.701

■ 90, 40.295,
119.406

Harmonies

Complementary

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



44, 40.159, 304.368



63, 36.806, 118.966

Rectangle

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



44, 40.159, 304.368



44, 40.159, 354.368



44, 40.159, 124.368



44, 40.159, 174.368

Sweetspot

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



44, 40.158, 304.368



75, 13.676, 302.086



56, 18.549, 233.779



39, 9.162, 302.166



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



44, 40.158, 304.368



51, 60.645, 305.244



47, 42.753, 320.067



31, 5.157, 301.893



18, 84.291, 308.358



1, 6.635, 300.787

Inverse Universe

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



48, 36.823, 336.809



58, 54.078, 337.626



61, 41.936, 136.083



31, 4.989, 334.381



31, 60.642, 343.588



1, 6.317, 335.247

Previews

White Background



This preview shows how the CIELCh color 44, 40.159, 304.368 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 44, 40.159, 304.368 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 44, 40.159, 304.368

Background



This preview shows how black text looks on a background with the CIELCh color 44, 40.159, 304.368.

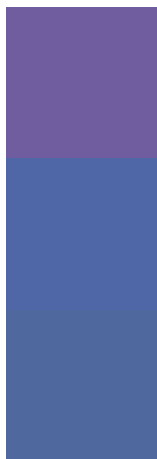


This preview shows how white text looks on a background with the CIELCh color 44, 40.159, 304.368.

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


44, 40.159, 304.368

Protanopia

44, 39.098, 285.669

Deuteranopia

44, 32.220, 280.875



Tritanopia
44, 4.803, 286.112

Trichromacy



Original Color
44, 40.159, 304.368

Protanomaly
44, 38.905, 291.847

Deuteranomaly
44, 34.757, 290.256

Tritanomaly
44, 17.613, 299.924

Monochromacy



Original Color
44, 40.159, 304.368

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 14.695, 302.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 40.159, 304.368 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(112, 93, 159)` looks like.

```
.text, #text, p{  
    color:rgb(112, 93, 159)  
}
```

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(112, 93, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 93, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 40.159, 304.368 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(112, 93, 159) }
```

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

```
.border{ border-color:rgb(112, 93, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 93, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 93, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 93, 159); box-shadow:4px 4px 4px 4px rgb(112, 93, 159) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 40.159, 304.368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 93, 159) }
```

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

```
.background{ background-color: rgb(112, 93,  
159) }
```

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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