

Converting Colors

CIELCh(44, 42.699, 298.715)

Have a look what the booklet for
CIELCh(44, 42.699, 298.715)
contains.

CIELCh(44, 42.647, 298.761)	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(44, 42.647, 298.761)

Conversions

Conversions Part 1

Format	Color
Hex	665FA6
RGB	102, 95, 166
RGB Percent	40%, 37%, 65%
CMY	0.5989, 0.6264, 0.3479
CMYK	0.38, 0.43, 0.00, 0.35
HSL	246°, 29%, 51%
HSV	246°, 43%, 65%
XYZ	16.5385, 13.8382, 38.0184
YIQ	105.1870, -18.6190, 23.5650

Conversions

Conversions Part 2

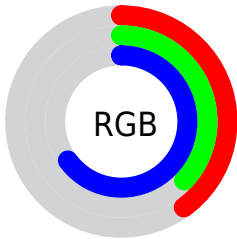
Format	Color
R_{YB}	102, 95, 166
Decimal	6709158
CIE _{Lab}	44.00, 20.52, -37.39
CIE _{LCh}	44, 42.647, 298.761
Yxy	13.8382, 0.2418, 0.2023
Android (android.graphics.Color)	4284899238 (0xFF665FA6)
YUV	105.1870, 29.9808, -2.7950
Hunter-Lab	37.1997, 14.2594, -34.5550

Details

The CIELCh color $44, 42.647, 298.761$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $66, 38.298, 110.663$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 42.690, 299.166$, and $24, 42.809, 298.692$ is the 20% darker color. If you saturate the color by 10%, you get $38, 53.624, 300.296$, and if you desaturate by 10%, it is $50, 32.016, 297.392$.

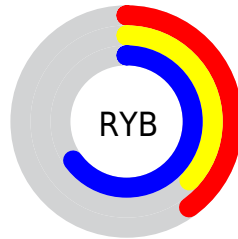
Distribution



Red (40%)

Green (37%)

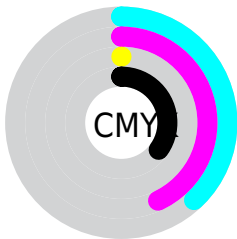
Blue (65%)



Red (40%)

Yellow (37%)

Blue (65%)

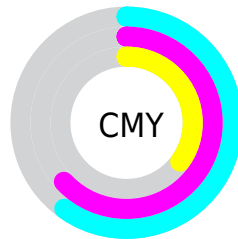


Cyan (38%)

Magenta (43%)

Yellow (0%)

Black (35%)



Cyan (60%)


Magenta (63%)

Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 42.647, 298.761 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, 42.647, 298.761 by changing the saturation by 10% instead.


 44, 42.647,
298.761


 44, 42.647,
298.761


 100, 42.647,
298.761


 34, 42.647,
298.761

 64, 42.647,
298.761


 24, 42.647,
298.761

 74, 42.647,
298.761

 14, 42.647,
298.761


 84, 42.647,
298.761

 4, 42.647, 298.761

 94, 42.647,
298.761

 0, 42.647, 298.761

 44, 42.647,

 44, 42.647,

298.761

■ 38, 53.624,
300.296

■ 33, 64.773,
301.952

■ 28, 75.662,
303.616

■ 24, 85.425,
305.089

■ 21, 92.745,
306.103

■ 20, 96.607,
306.644

298.761

■ 50, 32.016,
297.392

■ 55, 21.785,
296.198

■ 61, 11.955,
295.167

■ 67, 2.508, 294.290

■ 72, 6.582, 113.518

■ 78, 15.338,
112.870

■ 83, 23.784,
112.313

■ 89, 31.940,
111.833

■ 94, 39.827,
111.420

Harmonies

Complementary

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



44, 42.647, 298.761



66, 38.298, 110.663

Rectangle

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



44, 42.647, 298.761



44, 42.647, 348.761



44, 42.647, 118.761



44, 42.647, 168.761

Sweetspot

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



44, 42.646, 298.761



77, 15.184, 295.218



62, 21.466, 206.602



40, 10.755, 295.427



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



44, 42.646, 298.761



51, 64.280, 300.173



47, 44.192, 313.831



33, 5.340, 294.850



17, 88.580, 306.685



1, 9.583, 293.523

Inverse Universe

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



51, 44.585, 329.680



61, 64.918, 330.195



64, 42.113, 129.972



33, 6.008, 327.739



34, 71.343, 332.521



2, 10.632, 328.353

Previews

White Background



This preview shows how the CIELCh color 44, 42.647, 298.761 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, 42.647, 298.761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

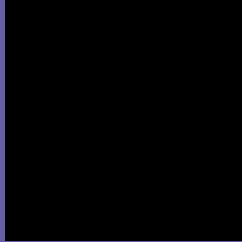
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 42.647, 298.761

Background



This preview shows how black text looks on a background with the CIELCh color 44, 42.647, 298.761.



This preview shows how white text looks on a background with the CIELCh color 44, 42.647, 298.761.

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

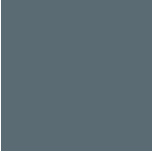
44, 42.647, 298.761

Protanopia

44, 42.099, 285.589

Deuteranopia

44, 36.565, 280.218



Tritanopia
44, 7.948, 236.058

Trichromacy



Original Color
44, 42.647, 298.761

Protanomaly
44, 41.888, 289.839

Deuteranomaly
44, 38.450, 287.022

Tritanomaly
44, 18.756, 282.969

Monochromacy



Original Color
44, 42.647, 298.761

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 15.680, 296.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 42.647, 298.761 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(102, 95, 166)` looks like.

```
.text, #text, p{  
    color:rgb(102, 95, 166)  
}
```

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(102, 95, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 95, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 42.647, 298.761 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(102, 95, 166) }
```

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

```
.border{ border-color:rgb(102, 95, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 95, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 95, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 95, 166); box-shadow:4px 4px 4px 4px rgb(102, 95, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 42.647, 298.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 95, 166) }
```

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

```
.background{ background-color: rgb(102, 95,  
166) }
```

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