

Converting Colors

CIELCh(44, 53.353, 305.487)

Have a look what the booklet for
CIELCh(44, 53.353, 305.487)
contains.

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Color

CIELCh(44, 53.800, 305.669)

Conversions

Conversions Part 1

Format	Color
Hex	7358B1
RGB	115, 88, 177
RGB Percent	45%, 35%, 69%
CMY	0.5484, 0.6543, 0.3053
CMYK	0.35, 0.50, 0.00, 0.31
HSL	258°, 36%, 52%
HSV	258°, 50%, 69%
XYZ	18.5432, 13.8382, 43.3709
YIQ	106.2190, -12.4770, 33.4030

Conversions

Conversions Part 2

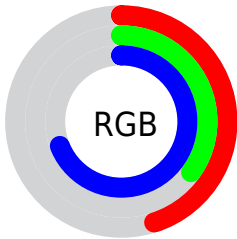
Format	Color
RYB	115, 88, 177
Decimal	7559345
CIELab	44.00, 31.37, -43.71
CIElCh	44, 53.800, 305.669
Yxy	13.8382, 0.2448, 0.1827
Android (android.graphics.Color)	4285749425 (0xFF7358B1)
YUV	106.2190, 34.8950, 7.7009
Hunter-Lab	37.1997, 23.8785, -43.0859

Details

The CIELCh color `44, 53.800, 305.669` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `69, 48.241, 119.153`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 53.412, 305.680`, and `24, 54.214, 305.757` is the 20% darker color. If you saturate the color by 10%, you get `39, 65.095, 306.579`, and if you desaturate by 10%, it is `50, 42.513, 304.780`.

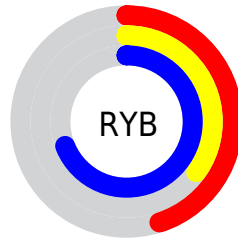
Distribution



Red (45%)

Green (35%)

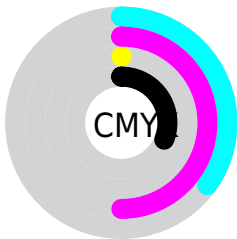
Blue (69%)



Red (45%)

Yellow (35%)

Blue (69%)

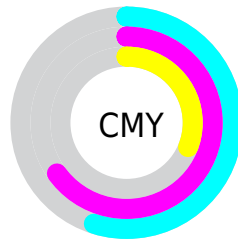


Cyan (35%)

Magenta (50%)

Yellow (0%)

Black (31%)



Cyan (55%)

Magenta (65%)

Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 53.800, 305.669 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, 53.800, 305.669 by changing the saturation by 10% instead.

 44, 53.800,
305.669

 44, 53.800,
305.669

 100, 53.800,
305.669

 34, 53.800,
305.669

 64, 53.800,
305.669

 24, 53.800,
305.669

 74, 53.800,
305.669

 14, 53.800,
305.669

 84, 53.800,
305.669

 4, 53.800, 305.669

 94, 53.800,
305.669

 0, 53.800, 305.669

 44, 53.800,

 44, 53.800,

305.669

■ 39, 65.095,
306.579

■ 34, 75.992,
307.431

■ 29, 85.790,
308.101

■ 26, 93.495,
308.419

■ 24, 98.713,
308.400

305.669

■ 50, 42.513,
304.780

■ 55, 31.445,
303.950

■ 61, 20.694,
303.199

■ 66, 10.294,
302.529

■ 72, 0.253, 301.767

■ 78, 9.440, 121.439

■ 83, 18.799,
120.993

■ 89, 27.843,
120.608

■ 94, 36.591,
120.277

Harmonies

Complementary

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



44, 53.800, 305.669



69, 48.241, 119.153

Rectangle

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



44, 53.800, 305.669



44, 53.800, 355.669



44, 53.800, 125.669



44, 53.800, 175.669

Sweetspot

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



44, 53.799, 305.669



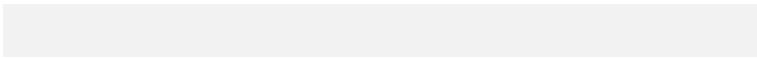
81, 18.759, 302.854



59, 23.769, 237.972



41, 12.831, 302.994



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



44, 53.799, 305.669



50, 80.048, 306.648



49, 56.271, 320.913



35, 5.715, 302.471



20, 88.478, 308.507



1, 13.517, 299.311

Inverse Universe

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



50, 47.510, 338.319



60, 67.972, 339.390



66, 55.197, 135.919



35, 5.457, 335.023



34, 63.078, 344.819



2, 12.169, 338.969

Previews

White Background



This preview shows how the CIELCh color 44, 53.800, 305.669 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 CIELCh color 44, 53.800, 305.669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

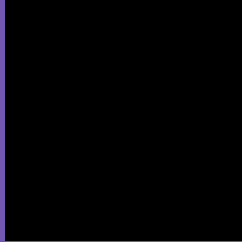
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 53.800, 305.669

Background



This preview shows how black text looks on a background with the CIELCh color 44, 53.800, 305.669.



This preview shows how white text looks on a background with the CIELCh color 44, 53.800, 305.669.

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, 53.800, 305.669

Protanopia

44, 53.367, 286.830

Deuteranopia

44, 42.182, 279.023



Tritanopia
44, 4.918, 276.869

Trichromacy



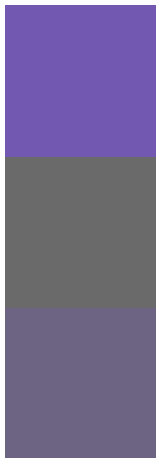
Original Color
44, 53.800, 305.669

Protanomaly
44, 53.194, 292.705

Deuteranomaly
44, 45.572, 289.039

Tritanomaly
44, 23.102, 300.547

Monochromacy



Original Color
44, 53.800, 305.669

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 19.551, 302.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 53.800, 305.669 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(115, 88, 177)` looks like.

```
.text, #text, p{  
    color:rgb(115, 88, 177)  
}
```

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(115, 88, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 88, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 53.800, 305.669 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(115, 88, 177) }
```

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

```
.border{ border-color:rgb(115, 88, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 88, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 88, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 88, 177);  
box-shadow:4px 4px 4px 4px rgb(115, 88,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 53.800, 305.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 88, 177) }
```

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

```
.background{ background-color: rgb(115, 88,  
177) }
```

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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