

Converting Colors

CIELCh(50, 44.161, 305.942)

Have a look what the booklet for
CIELCh(50, 44.161, 305.942)
contains.

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Color

CIELCh(50, 44.161, 305.942)

Conversions

Conversions Part 1

Format	Color
Hex	836AB4
RGB	131, 106, 180
RGB Percent	51%, 42%, 71%
CMY	0.4864, 0.5844, 0.2942
CMYK	0.27, 0.41, 0.00, 0.29
HSL	260°, 33%, 56%
HSV	260°, 41%, 71%
XYZ	22.7410, 18.4187, 45.5195
YIQ	121.9110, -8.8540, 28.3140

Conversions

Conversions Part 2

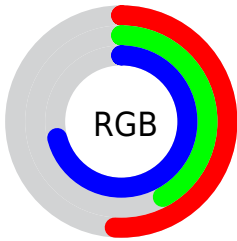
Format	Color
R_{YB}	131, 106, 180
Decimal	8612532
CIE _{Lab}	50.00, 25.92, -35.75
CIE _{LCh}	50, 44.161, 305.942
Yxy	18.4187, 0.2624, 0.2125
Android (android.graphics.Color)	4286802612 (0xFF836AB4)
YUV	121.9110, 28.6379, 7.9711
Hunter-Lab	42.9170, 19.4795, -32.8436

Details

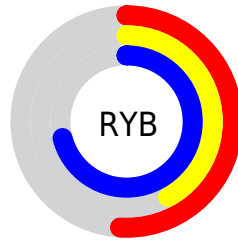
The CIELCh color $50, 44.161, 305.942$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $70, 40.714, 120.998$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 43.860, 306.058$, and $30, 44.446, 305.926$ is the 20% darker color. If you saturate the color by 10%, you get $45, 55.564, 306.756$, and if you desaturate by 10%, it is $56, 32.928, 305.171$.

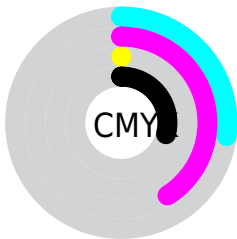
Distribution



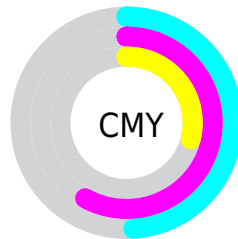
- Red (51%)
- Green (42%)
- Blue (71%)



- Red (51%)
- Yellow (42%)
- Blue (71%)



- Cyan (27%)
- Magenta (41%)
- Yellow (0%)
- Black (29%)





- Cyan (49%)
- Magenta (58%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 44.161, 305.942 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 50, 44.161, 305.942 by changing the saturation by 10% instead.


 50, 44.161,
305.942

 50, 44.161,
305.942


 100, 44.161,
305.942

 40, 44.161,
305.942


 70, 44.161,
305.942

 30, 44.161,
305.942

 80, 44.161,
305.942

 20, 44.161,
305.942

 90, 44.161,
305.942

 10, 44.161,
305.942

 0, 44.161, 305.942

 50, 44.161,
305.942

 50, 44.161,
305.942

45, 55.564,
306.756

56, 32.928,
305.171

39, 66.899,
307.569

61, 21.985,
304.464

34, 77.724,
308.302

67, 11.382,
303.828

30, 87.310,
308.831

73, 1.131, 303.222

27, 94.683,
308.996

78, 8.771, 122.789

25, 99.275,
308.870

84, 18.337,
122.357

90, 27.584,
121.986

95, 36.530,
121.665

97, 38.264,
116.944

Harmonies

Complementary

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



50, 44.161, 305.942



70, 40.714, 120.998

Rectangle

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



50, 44.161, 305.942



50, 44.161, 355.942



50, 44.161, 125.942



50, 44.161, 175.942

Sweetspot

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



50, 44.160, 305.942



84, 15.269, 303.894



62, 20.601, 240.997



44, 10.141, 303.972



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



50, 44.160, 305.942



59, 65.984, 306.651



54, 47.295, 321.609



35, 5.743, 303.721



20, 87.935, 308.995



1, 13.561, 300.321

Inverse Universe

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



54, 39.039, 339.086



66, 56.982, 339.935



68, 46.664, 137.409



35, 5.325, 336.472



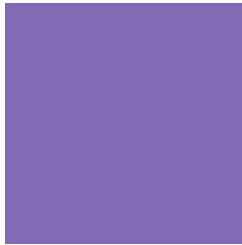
33, 61.788, 347.385



2, 11.838, 340.832

Previews

White Background



This preview shows how the CIELCh color 50, 44.161, 305.942 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 44.161, 305.942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

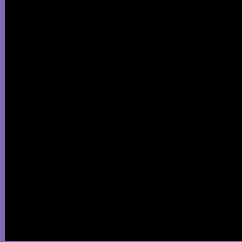
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 44.161, 305.942

Background



This preview shows how black text looks on a background with the CIELCh color 50, 44.161, 305.942.



This preview shows how white text looks on a background with the CIELCh color 50, 44.161, 305.942.

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

50, 44.161, 305.942

Protanopia

50, 42.306, 285.330

Deuteranopia

50, 34.939, 282.059



Tritanopia
50, 6.091, 305.869

Trichromacy



Original Color
50, 44.161, 305.942

Protanomaly
50, 42.660, 292.601

Deuteranomaly
50, 37.439, 291.490

Tritanomaly
50, 19.944, 305.436

Monochromacy



Original Color
50, 44.161, 305.942

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 16.215, 304.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 44.161, 305.942 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(131, 106, 180)` looks like.

```
.text, #text, p{  
    color:rgb(131, 106, 180)  
}
```

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(131, 106, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 106, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 44.161, 305.942 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(131, 106, 180) }
```

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

```
.border{ border-color:rgb(131, 106, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 106, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 106, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 106, 180);  
box-shadow:4px 4px 4px 4px rgb(131, 106,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 44.161, 305.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 106, 180) }
```

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

```
.background{ background-color: rgb(131,  
106, 180) }
```

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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