

Converting Colors

CIELCh(55, 46.139, 307.068)

Have a look what the booklet for
CIELCh(55, 46.139, 307.068)
contains.

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Color

CIELCh(55, 46.530, 307.231)

Conversions

Conversions Part 1

Format	Color
Hex	9375C4
RGB	147, 117, 196
RGB Percent	58%, 46%, 77%
CMY	0.4233, 0.5410, 0.2312
CMYK	0.25, 0.40, 0.00, 0.23
HSL	263°, 40%, 61%
HSV	263°, 40%, 77%
XYZ	28.3789, 22.9298, 55.1867
YIQ	134.9760, -7.4790, 30.9290

Conversions

Conversions Part 2

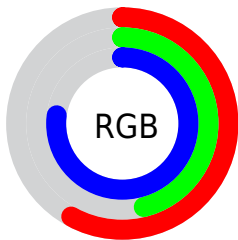
Format	Color
RYB	147, 117, 196
Decimal	9663940
CIELab	55.00, 28.15, -37.05
CIELCh	55, 46.530, 307.231
Yxy	22.9298, 0.2665, 0.2153
Android (android.graphics.Color)	4287854020 (0xFF9375C4)
YUV	134.9760, 30.0848, 10.5450
Hunter-Lab	47.8851, 21.9882, -34.8110

Details

The CIELCh color **55, 46.530, 307.231** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **75, 43.188, 122.690**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 46.808, 307.196**, and **35, 46.712, 307.156** is the 20% darker color. If you saturate the color by 10%, you get **49, 58.700, 307.960**, and if you desaturate by 10%, it is **61, 34.503, 306.530**.

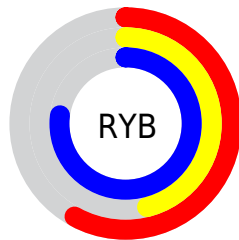
Distribution



Red (58%)

Green (46%)

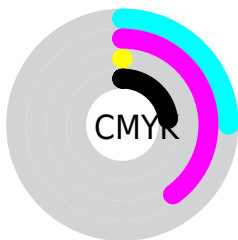
Blue (77%)



Red (58%)

Yellow (46%)

Blue (77%)

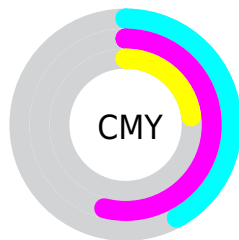


Cyan (25%)

Magenta (40%)

Yellow (0%)

Black (23%)



Cyan (42%)


Magenta (54%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 46.530, 307.231 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 55, 46.530, 307.231 by changing the saturation by 10% instead.


 55, 46.530,
307.231


 55, 46.530,
307.231


 100, 46.530,
307.231


 45, 46.530,
307.231


 75, 46.530,
307.231

 35, 46.530,
307.231

 85, 46.530,
307.231

 25, 46.530,
307.231

 95, 46.530,
307.231

 15, 46.530,
307.231

 5, 46.530, 307.231

 0, 46.530, 307.231

55, 46.530,
307.231

55, 46.530,
307.231

49, 58.700,
307.960

61, 34.503,
306.530

44, 70.749,
308.674

67, 22.760,
305.881

39, 82.200,
309.296

73, 11.362,
305.292

34, 92.295,
309.709

79, 0.331, 304.548

31, 100.045,
309.766


85, 10.334,
124.326

28, 105.038,
309.473

91, 20.643,
123.921

97, 30.612,
123.571

98, 30.011,
115.607

 99, 29.701,
107.920

Harmonies

Complementary

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



55, 46.530, 307.231



75, 43.188, 122.690

Rectangle

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



55, 46.530, 307.231



55, 46.530, 357.231



55, 46.530, 127.231



55, 46.530, 177.231

Sweetspot

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



55, 46.529, 307.231



91, 16.442, 305.399



66, 22.056, 245.562



47, 10.929, 305.476



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 46.529, 307.231



65, 69.252, 307.847



59, 50.050, 322.603



38, 6.188, 305.240



22, 90.458, 309.626



2, 19.882, 301.425

Inverse Universe

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



59, 39.945, 341.077



71, 58.258, 341.979



73, 49.565, 138.299



38, 5.533, 338.351



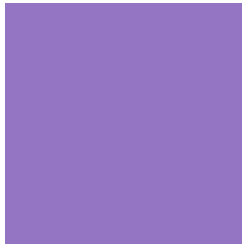
35, 62.571, 350.844



3, 17.119, 345.031

Previews

White Background



This preview shows how the CIELCh color 55, 46.530, 307.231 looks on a white background.

Color Contrast Check

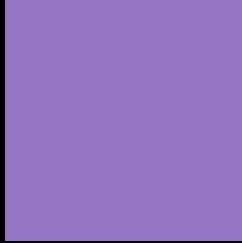
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 46.530, 307.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

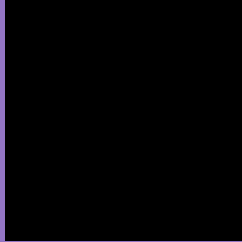
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 46.530, 307.231

Background



This preview shows how black text looks on a background with the CIELCh color 55, 46.530, 307.231.



This preview shows how white text looks on a background with the CIELCh color 55, 46.530, 307.231.

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

55, 46.530, 307.231

Protanopia

55, 44.418, 285.739

Deuteranopia

55, 36.010, 282.260



Tritanopia
55, 6.574, 319.093

Trichromacy



Original Color
55, 46.530, 307.231

Protanomaly
55, 44.208, 292.919

Deuteranomaly
55, 39.064, 292.416

Tritanomaly
55, 21.077, 308.621

Monochromacy



Original Color
55, 46.530, 307.231

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 17.224, 305.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 46.530, 307.231 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(147, 117, 196)` looks like.

```
.text, #text, p{  
    color:rgb(147, 117, 196)  
}
```

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(147, 117, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 117, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 46.530, 307.231 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(147, 117, 196) }
```

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

```
.border{ border-color:rgb(147, 117, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 117, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 117, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 117, 196);  
box-shadow:4px 4px 4px 4px rgb(147, 117,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 46.530, 307.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 117, 196) }
```

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

```
.background{ background-color: rgb(147,  
117, 196) }
```

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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