

Converting Colors

CIELCh(55, 46.038, 312.301)

Have a look what the booklet for
CIELCh(55, 46.038, 312.301)
contains.

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Color

CIELCh(55, 46.412, 312.530)

Conversions

Conversions Part 1

Format	Color
Hex	9C72BF
RGB	156, 114, 191
RGB Percent	61%, 45%, 75%
CMY	0.3875, 0.5523, 0.2502
CMYK	0.18, 0.40, 0.00, 0.25
HSL	273°, 38%, 60%
HSV	273°, 40%, 75%
XYZ	29.2075, 22.9298, 52.2851
YIQ	135.3360, 0.3150, 32.8510

Conversions

Conversions Part 2

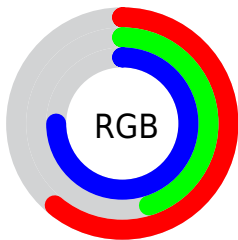
Format	Color
R_{YB}	156, 114, 191
Decimal	10252991
CIE _{Lab}	55.00, 31.37, -34.20
CIE _{LCh}	55, 46.412, 312.530
Yxy	22.9298, 0.2797, 0.2196
Android (android.graphics.Color)	4288443071 (0xFF9C72BF)
YUV	135.3360, 27.4424, 18.1223
Hunter-Lab	47.8851, 25.0770, -31.2183

Details

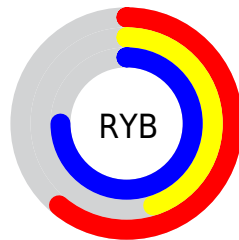
The CIELCh color `55, 46.412, 312.530` is a light color, and the websafe version is hex `9966CC`. A complement of this color would be `73, 44.095, 128.788`, and the grayscale version is `56, 0.007, 296.813`.

A 20% lighter version of the original color is `75, 46.303, 312.504`, and `35, 46.242, 312.502` is the 20% darker color. If you saturate the color by 10%, you get `50, 58.149, 313.008`, and if you desaturate by 10%, it is `60, 34.600, 312.032`.

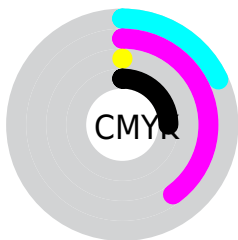
Distribution



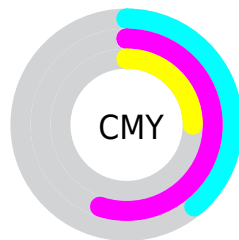
- Red (61%)
- Green (45%)
- Blue (75%)



- Red (61%)
- Yellow (45%)
- Blue (75%)



- Cyan (18%)
- Magenta (40%)
- Yellow (0%)
- Black (25%)





- Cyan (39%)
- Magenta (55%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 46.412, 312.530 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, 46.412, 312.530 by changing the saturation by 10% instead.


 55, 46.412,
312.530


 55, 46.412,
312.530


 100, 46.412,
312.530


 45, 46.412,
312.530


 75, 46.412,
312.530

 35, 46.412,
312.530

 85, 46.412,
312.530

 25, 46.412,
312.530

 95, 46.412,
312.530

 15, 46.412,
312.530

 5, 46.412, 312.530

 0, 46.412, 312.530

55, 46.412,
312.530

55, 46.412,
312.530

50, 58.149,
313.008

60, 34.600,
312.032

45, 69.489,
313.420

66, 22.915,
311.541

40, 79.935,
313.701

72, 11.469,
311.072

36, 88.812,
313.763

77, 0.318, 310.250

33, 95.378,
313.503


83, 10.512,
130.277

31, 99.526,
312.955

89, 21.014,
129.920

94, 31.194,
129.606

97, 34.095,
126.428

 97, 33.137,
121.247

Harmonies

Complementary

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



55, 46.412, 312.530



73, 44.095, 128.788

Rectangle

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



55, 46.412, 312.530



55, 46.412, 2.530



55, 46.412, 132.530



55, 46.412, 182.530

Sweetspot

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



55, 46.410, 312.530



89, 16.542, 311.160



61, 25.281, 265.911



47, 11.081, 311.221



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



55, 46.410, 312.530



65, 68.413, 312.938



59, 49.361, 327.531



37, 6.247, 311.029



25, 86.347, 313.116



2, 18.223, 306.587

Inverse Universe

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



57, 35.506, 350.397



69, 51.856, 351.649



71, 49.464, 142.273



37, 4.833, 346.935



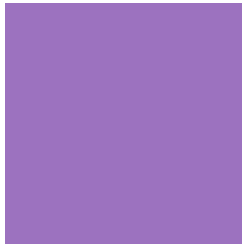
33, 59.069, 5.752



3, 13.621, 354.257

Previews

White Background



This preview shows how the CIELCh color 55, 46.412, 312.530 looks on a white background.

Color Contrast Check

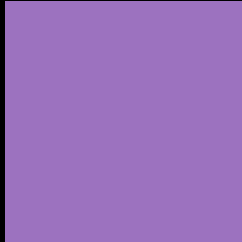
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 55, 46.412, 312.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

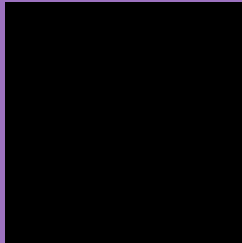
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 46.412, 312.530

Background



This preview shows how black text looks on a background with the CIELCh color 55, 46.412, 312.530.

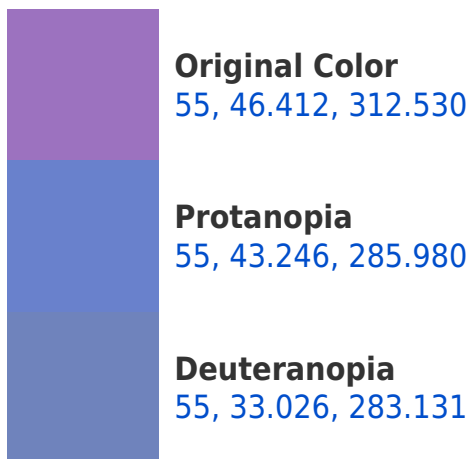


This preview shows how white text looks on a background with the CIELCh color 55, 46.412, 312.530.

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





Tritanopia
55, 10.138, 346.137

Trichromacy



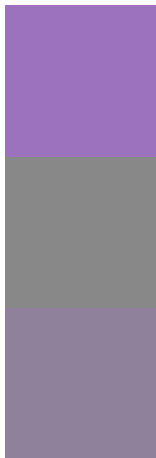
Original Color
55, 46.412, 312.530

Protanomaly
55, 43.112, 295.114

Deuteranomaly
55, 36.841, 295.431

Tritanomaly
55, 22.262, 320.467

Monochromacy



Original Color
55, 46.412, 312.530

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 17.093, 311.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 46.412, 312.530 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(156, 114, 191)` looks like.

```
.text, #text, p{  
    color:rgb(156, 114, 191)  
}
```

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(156, 114, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 114, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 46.412, 312.530 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(156, 114, 191) }
```

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

```
.border{ border-color:rgb(156, 114, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 114, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 114, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 114, 191); box-shadow:4px 4px 4px 4px rgb(156, 114, 191) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 46.412, 312.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 114, 191) }
```

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

```
.background{ background-color: rgb(156,  
114, 191) }
```

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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