

Converting Colors

CIELCh(55, 50.988, 315.682)

Have a look what the booklet for
CIELCh(55, 50.988, 315.682)
contains.

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Color

CIELCh(55, 51.222, 315.761)

Conversions

Conversions Part 1

Format	Color
Hex	A46EC2
RGB	164, 110, 194
RGB Percent	64%, 43%, 76%
CMY	0.3570, 0.5687, 0.2393
CMYK	0.15, 0.43, 0.00, 0.24
HSL	279°, 41%, 60%
HSV	279°, 43%, 76%
XYZ	30.6120, 22.9298, 53.8356
YIQ	135.7220, 5.2200, 37.5720

Conversions

Conversions Part 2

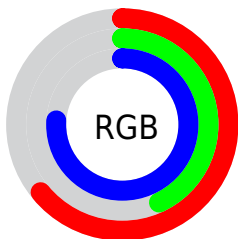
Format	Color
RYB	164, 110, 194
Decimal	10776258
CIELab	55.00, 36.70, -35.74
CIElCh	55, 51.222, 315.761
Yxy	22.9298, 0.2851, 0.2135
Android (android.graphics.Color)	4288966338 (0xFFA46EC2)
YUV	135.7220, 28.7311, 24.7998
Hunter-Lab	47.8851, 30.3125, -33.1381

Details

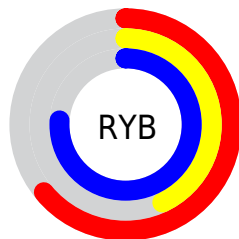
The CIELCh color $55, 51.222, 315.761$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $73, 49.201, 131.837$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 51.060, 315.589$, and $35, 51.485, 315.670$ is the 20% darker color. If you saturate the color by 10%, you get $50, 62.866, 316.140$, and if you desaturate by 10%, it is $60, 39.262, 315.332$.

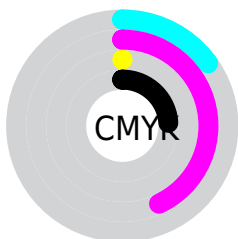
Distribution



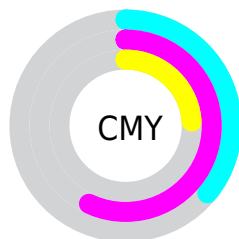
- Red (64%)
- Green (43%)
- Blue (76%)



- Red (64%)
- Yellow (43%)
- Blue (76%)



- Cyan (15%)
- Magenta (43%)
- Yellow (0%)
- Black (24%)





- Cyan (36%)
- Magenta (57%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 51.222, 315.761 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 55, 51.222, 315.761 by changing the saturation by 10% instead.


 55, 51.222,
315.761


 55, 51.222,
315.761


 100, 51.222,
315.761


 45, 51.222,
315.761


 75, 51.222,
315.761

 35, 51.222,
315.761

 85, 51.222,
315.761

 25, 51.222,
315.761

 95, 51.222,
315.761

 15, 51.222,
315.761

 5, 51.222, 315.761

 0, 51.222, 315.761

55, 51.222,
315.761

55, 51.222,
315.761

50, 62.866,
316.140

60, 39.262,
315.332

46, 73.784,
316.422

66, 27.266,
314.885

42, 83.413,
316.544

71, 15.407,
314.441

38, 91.093,
316.429

77, 3.785, 313.989

36, 96.247,
316.003


82, 7.545, 133.659

34, 98.579,
315.589

88, 18.558,
133.285

93, 29.247,
132.954

96, 33.662,
130.848

 97, 32.698,
126.875

Harmonies

Complementary

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



55, 51.222, 315.761



73, 49.201, 131.837

Rectangle

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



55, 51.222, 315.761



55, 51.222, 5.761



55, 51.222, 135.761



55, 51.222, 185.761

Sweetspot

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



55, 51.220, 315.761



90, 18.646, 314.437



58, 31.221, 275.927



47, 13.187, 314.536



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, 51.220, 315.761



65, 75.983, 316.124



58, 49.982, 330.911



38, 6.532, 314.268



28, 85.643, 315.734



2, 20.857, 310.781

Inverse Universe

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



57, 36.956, 357.288



68, 54.731, 359.043



72, 50.059, 144.781



38, 4.658, 352.933



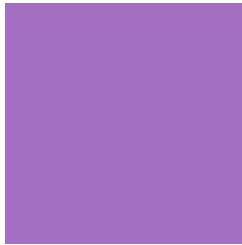
34, 60.545, 15.152



3, 14.865, 0.516

Previews

White Background



This preview shows how the CIELCh color 55, 51.222, 315.761 looks on a white background.

Color Contrast Check

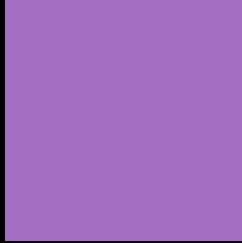
Large Text (above 18pt) WCAG AA ✓ Pass

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, 51.222, 315.761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

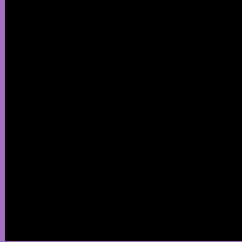
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 51.222, 315.761

Background



This preview shows how black text looks on a background with the CIELCh color 55, 51.222, 315.761.

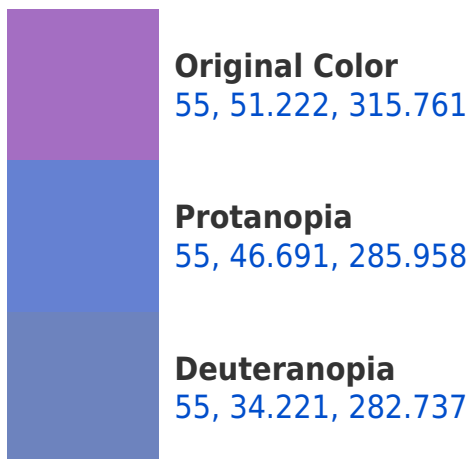


This preview shows how white text looks on a background with the CIELCh color 55, 51.222, 315.761.

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





Tritanopia
55, 13.121, 357.868

Trichromacy



Original Color
55, 51.222, 315.761

Protanomaly
55, 47.178, 296.278

Deuteranomaly
55, 39.252, 297.484

Tritanomaly
55, 25.390, 327.958

Monochromacy



Original Color
55, 51.222, 315.761

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 18.698, 314.375

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 51.222, 315.761 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(164, 110, 194)` looks like.

```
.text, #text, p{  
    color:rgb(164, 110, 194)  
}
```

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(164, 110, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 110, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 51.222, 315.761 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(164, 110, 194) }
```

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

```
.border{ border-color:rgb(164, 110, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 110, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 110, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 110, 194);  
box-shadow:4px 4px 4px 4px rgb(164, 110,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 51.222, 315.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 110, 194) }
```

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

```
.background{ background-color: rgb(164,  
110, 194) }
```

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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