

Converting Colors

CIELCh(55, 52.301, 314.880)

Have a look what the booklet for
CIELCh(55, 52.301, 314.880)
contains.

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Color

CIELCh(55, 52.152, 314.947)

Conversions

Conversions Part 1

Format	Color
Hex	A36EC4
RGB	163, 110, 196
RGB Percent	64%, 43%, 77%
CMY	0.3607, 0.5686, 0.2313
CMYK	0.17, 0.44, 0.00, 0.23
HSL	277°, 42%, 60%
HSV	277°, 44%, 77%
XYZ	30.6510, 22.9298, 55.0454
YIQ	135.6510, 3.9820, 37.9820

Conversions

Conversions Part 2

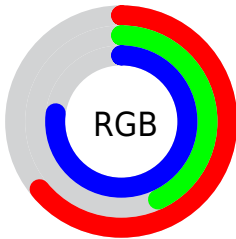
Format	Color
R_{YB}	163, 110, 196
Decimal	10710724
CIE _{Lab}	55.00, 36.84, -36.91
CIE _{LCh}	55, 52.152, 314.947
Yxy	22.9298, 0.2822, 0.2111
Android (android.graphics.Color)	4288900804 (0xFFA36EC4)
YUV	135.6510, 29.7521, 23.9851
Hunter-Lab	47.8851, 30.4580, -34.6361

Details

The CIELCh color $55, 52.152, 314.947$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $74, 49.858, 130.966$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 51.927, 314.797$, and $35, 52.509, 314.852$ is the 20% darker color. If you saturate the color by 10%, you get $50, 63.908, 315.341$, and if you desaturate by 10%, it is $60, 40.100, 314.505$.

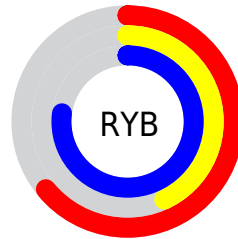
Distribution



Red (64%)

Green (43%)

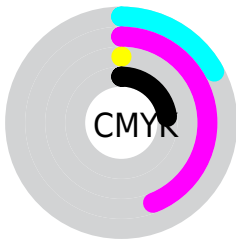
Blue (77%)



Red (64%)

Yellow (43%)

Blue (77%)

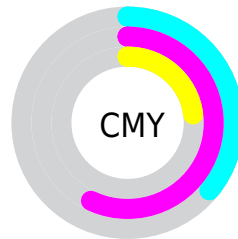


Cyan (17%)

Magenta (44%)

Yellow (0%)

Black (23%)



Cyan (36%)


Magenta (57%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 52.152, 314.947 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, 52.152, 314.947 by changing the saturation by 10% instead.


 55, 52.152,
314.947


 55, 52.152,
314.947


 100, 52.152,
314.947


 45, 52.152,
314.947


 75, 52.152,
314.947

 35, 52.152,
314.947

 85, 52.152,
314.947

 25, 52.152,
314.947

 95, 52.152,
314.947

 15, 52.152,
314.947

 5, 52.152, 314.947

 0, 52.152, 314.947

55, 52.152,
314.947

55, 52.152,
314.947

50, 63.908,
315.341

60, 40.100,
314.505

45, 74.954,
315.636

66, 28.032,
314.048

41, 84.711,
315.766

71, 16.116,
313.597

38, 92.491,
315.648

77, 4.449, 313.148

35, 97.688,
315.202

83, 6.918, 132.809

34, 99.900,
314.817

88, 17.961,
132.433

94, 28.676,
132.103

97, 32.158,
129.379

■ 97, 31.194,
124.770

Harmonies

Complementary

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



55, 52.152, 314.947



74, 49.858, 130.966

Rectangle

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



55, 52.152, 314.947



55, 52.152, 4.947



55, 52.152, 134.947



55, 52.152, 184.947

Sweetspot

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



55, 52.150, 314.947



91, 18.682, 313.568



59, 30.546, 273.224



47, 13.107, 313.667



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, 52.150, 314.947



64, 77.842, 315.339



59, 52.189, 329.813



38, 6.490, 313.398



27, 86.100, 314.974



2, 20.713, 309.715

Inverse Universe

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



57, 38.156, 355.562



68, 56.656, 357.359



72, 52.331, 143.733



38, 4.730, 351.225



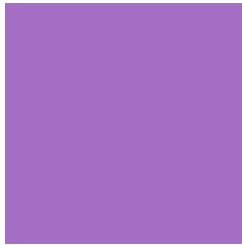
34, 60.146, 12.621



3, 15.005, 359.067

Previews

White Background



This preview shows how the CIELCh color 55, 52.152, 314.947 looks on a white background.

Color Contrast Check

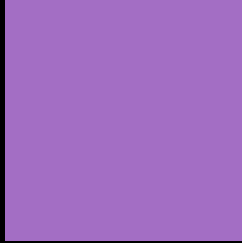
Large Text (above 18pt) WCAG AA ✓ Pass

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, 52.152, 314.947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

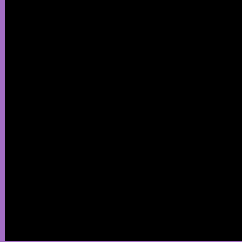
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 52.152, 314.947

Background



This preview shows how black text looks on a background with the CIELCh color 55, 52.152, 314.947.

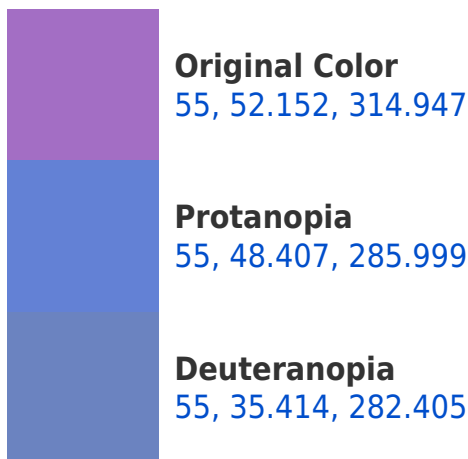


This preview shows how white text looks on a background with the CIELCh color 55, 52.152, 314.947.

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, 12.960, 354.743

Trichromacy



Original Color
55, 52.152, 314.947

Protanomaly
55, 48.864, 295.734

Deuteranomaly
55, 40.360, 296.612

Tritanomaly
55, 26.093, 325.727

Monochromacy



Original Color
55, 52.152, 314.947

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 19.223, 313.730

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 52.152, 314.947 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(163, 110, 196)` looks like.

```
.text, #text, p{  
    color:rgb(163, 110, 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(163, 110, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 110, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 52.152, 314.947 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(163, 110, 196) }
```

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

```
.border{ border-color:rgb(163, 110, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 110, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 110, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 110, 196);  
box-shadow:4px 4px 4px 4px rgb(163, 110,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 52.152, 314.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 110, 196) }
```

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

```
.background{ background-color: rgb(163,  
110, 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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