

Converting Colors

CIELCh(55, 34.941, 311.191)

Have a look what the booklet for
CIELCh(55, 34.941, 311.191)
contains.

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Color

CIELCh(55, 34.417, 310.915)

Conversions

Conversions Part 1

Format	Color
Hex	9578B1
RGB	149, 120, 177
RGB Percent	58%, 47%, 69%
CMY	0.4164, 0.5301, 0.3066
CMYK	0.16, 0.32, 0.00, 0.31
HSL	271°, 27%, 58%
HSV	271°, 32%, 69%
XYZ	26.9733, 22.9298, 44.5006
YIQ	135.1690, -1.0130, 23.8750

Conversions

Conversions Part 2

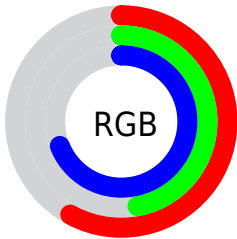
Format	Color
R_{YB}	149, 120, 177
Decimal	9795761
CIE _{Lab}	55.00, 22.54, -26.01
CIE _{LCh}	55, 34.417, 310.915
Yxy	22.9298, 0.2857, 0.2429
Android (android.graphics.Color)	4287985841 (0xFF9578B1)
YUV	135.1690, 20.6227, 12.1298
Hunter-Lab	47.8851, 16.7486, -21.5798

Details

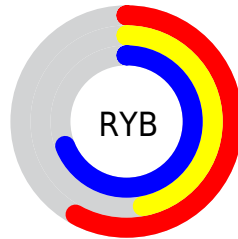
The CIELCh color $55, 34.417, 310.915$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $69, 32.939, 127.895$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 34.226, 310.865$, and $35, 34.366, 310.822$ is the 20% darker color. If you saturate the color by 10%, you get $50, 45.499, 311.444$, and if you desaturate by 10%, it is $60, 23.459, 310.397$.

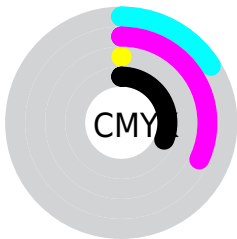
Distribution



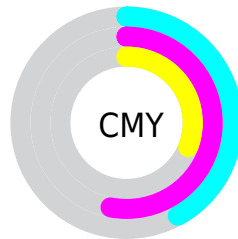
- Red (58%)
- Green (47%)
- Blue (69%)



- Red (58%)
- Yellow (47%)
- Blue (69%)



- Cyan (16%)
- Magenta (32%)
- Yellow (0%)
- Black (31%)





- Cyan (42%)
- Magenta (53%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 34.417, 310.915 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, 34.417, 310.915 by changing the saturation by 10% instead.


 55, 34.417,
310.915


 55, 34.417,
310.915


 100, 34.417,
310.915


 45, 34.417,
310.915


 75, 34.417,
310.915

 35, 34.417,
310.915

 85, 34.417,
310.915

 25, 34.417,
310.915

 95, 34.417,
310.915

 15, 34.417,
310.915

 5, 34.417, 310.915

 0, 34.417, 310.915

■ 55, 34.417,
310.915

■ 55, 34.417,
310.915

■ 50, 45.499,
311.444

■ 60, 23.459,
310.397

■ 45, 56.523,
311.956

■ 66, 12.735,
309.907

■ 40, 67.173,
312.402

■ 71, 2.294, 309.420

■ 36, 76.966,
312.711

■ 76, 7.840, 129.077

■ 32, 85.236,
312.787

■ 82, 17.665,
128.707


■ 29, 91.258,
312.519

■ 87, 27.184,
128.383

■ 28, 94.600,
312.134

■ 92, 36.410,
128.100

■ 96, 41.795,
126.518

 96, 40.766,
122.317

Harmonies

Complementary

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



55, 34.417, 310.915



69, 32.939, 127.895

Rectangle

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



55, 34.417, 310.915



55, 34.417, 0.915



55, 34.417, 130.915



55, 34.417, 180.915

Sweetspot

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



55, 34.415, 310.915



85, 12.838, 309.810



60, 18.379, 260.504



44, 8.766, 309.874



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



55, 34.415, 310.915



66, 51.846, 311.309



58, 38.179, 326.160



35, 5.920, 309.770



23, 84.932, 312.264



1, 13.860, 305.521

Inverse Universe

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



57, 27.205, 347.153



69, 40.681, 348.048



67, 38.196, 142.182



35, 4.729, 344.851



32, 57.866, 2.133



2, 10.553, 350.349

Previews

White Background



This preview shows how the CIELCh color 55, 34.417, 310.915 looks on a white background.

Color Contrast Check

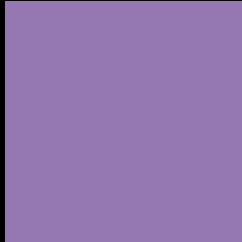
Large Text (above 18pt) WCAG AA ✓ Pass

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, 34.417, 310.915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

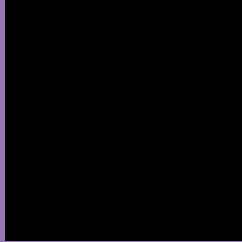
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 34.417, 310.915

Background



This preview shows how black text looks on a background with the CIELCh color 55, 34.417, 310.915.



This preview shows how white text looks on a background with the CIELCh color 55, 34.417, 310.915.

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, 34.417, 310.915

Protanopia

55, 31.752, 285.239

Deuteranopia

55, 25.927, 286.554



Tritanopia
55, 7.985, 334.327

Trichromacy



Original Color
55, 34.417, 310.915

Protanomaly
55, 32.240, 294.521

Deuteranomaly
55, 28.876, 296.910

Tritanomaly
55, 17.185, 316.577

Monochromacy



Original Color
55, 34.417, 310.915

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 12.815, 310.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 34.417, 310.915 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(149, 120, 177)` looks like.

```
.text, #text, p{  
    color:rgb(149, 120, 177)  
}
```

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(149, 120, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 120, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 34.417, 310.915 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(149, 120, 177) }
```

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

```
.border{ border-color:rgb(149, 120, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 120, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 120, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 120, 177);  
box-shadow:4px 4px 4px 4px rgb(149, 120,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 34.417, 310.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 120, 177) }
```

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

```
.background{ background-color: rgb(149,  
120, 177) }
```

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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