

Converting Colors

CIELCh(49, 55.360, 334.221)

Have a look what the booklet for
CIELCh(49, 55.360, 334.221)
contains.

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Color

CIELCh(49, 55.154, 334.354)

Conversions

Conversions Part 1

Format	Color
Hex	B2509E
RGB	178, 80, 158
RGB Percent	70%, 31%, 62%
CMY	0.3030, 0.6872, 0.3814
CMYK	0.00, 0.55, 0.11, 0.30
HSL	312°, 39%, 50%
HSV	312°, 55%, 70%
XYZ	27.2990, 17.5941, 34.1911
YIQ	118.1940, 33.3700, 45.0340

Conversions

Conversions Part 2

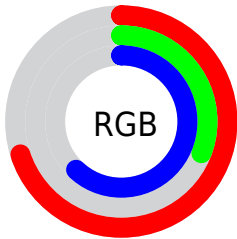
Format	Color
R_{YB}	178, 80, 158
Decimal	11686046
CIE _{Lab}	49.00, 49.72, -23.87
CIE _{LCh}	49, 55.154, 334.354
Yxy	17.5941, 0.3452, 0.2225
Android (android.graphics.Color)	4289876126 (0xFFB2509E)
YUV	118.1940, 19.6244, 52.4499
Hunter-Lab	41.9453, 42.7681, -18.9677

Details

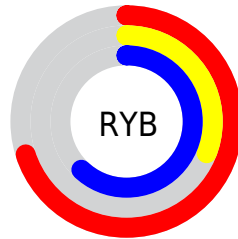
The CIELCh color **49, 55.154, 334.354** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **65, 55.474, 145.599**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 55.513, 334.347**, and **29, 54.957, 334.661** is the 20% darker color. If you saturate the color by 10%, you get **46, 62.927, 335.116**, and if you desaturate by 10%, it is **53, 46.133, 333.628**.

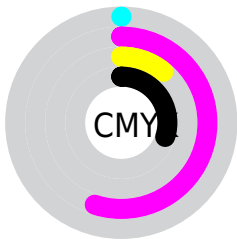
Distribution



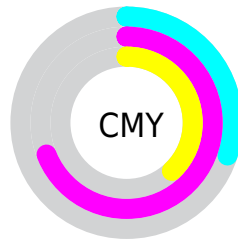
- Red (70%)
- Green (31%)
- Blue (62%)



- Red (70%)
- Yellow (31%)
- Blue (62%)



- Cyan (0%)
- Magenta (55%)
- Yellow (11%)
- Black (30%)





- Cyan (30%)
- Magenta (69%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 55.154, 334.354 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 49, 55.154, 334.354 by changing the saturation by 10% instead.


 49, 55.154,
334.354


 49, 55.154,
334.354


 100, 55.154,
334.354


 39, 55.154,
334.354

 69, 55.154,
334.354


 29, 55.154,
334.354

 79, 55.154,
334.354

 19, 55.154,
334.354

 89, 55.154,
334.354

 9, 55.154, 334.354

 99, 55.154,
334.354

 0, 55.154, 334.354

 49, 55.154,

 49, 55.154,

334.354

46, 62.927,
335.116

43, 69.002,
335.931

42, 73.012,
336.827

41, 74.829,
337.842

40, 75.290,
338.365

334.354

53, 46.133,
333.628

57, 36.313,
332.928

61, 26.059,
332.250

65, 15.647,
331.591

70, 5.271, 330.927

75, 4.945, 150.437

80, 14.925,
149.824

85, 24.629,
149.270

■ 90, 34.042,
148.748

Harmonies

Complementary

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



49, 55.154, 334.354



65, 55.474, 145.599

Rectangle

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



49, 55.154, 334.354



49, 55.154, 24.354



49, 55.154, 154.354



49, 55.154, 204.354

Sweetspot

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



49, 55.152, 334.354



82, 21.862, 331.732



41, 59.437, 303.305



43, 14.752, 331.862



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



49, 55.152, 334.354



59, 78.507, 335.276



47, 42.952, 3.662



35, 5.859, 331.212



34, 67.535, 338.219



2, 13.276, 333.774

Inverse Universe

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



49, 55.152, 334.354



59, 78.507, 335.276



66, 36.532, 169.929



35, 5.859, 331.212



34, 67.535, 338.219



2, 13.276, 333.774

Previews

White Background



This preview shows how the CIELCh color 49, 55.154, 334.354 looks on a white background.

Color Contrast Check

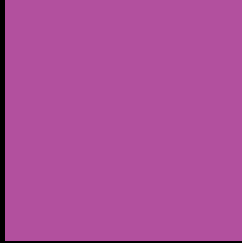
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 55.154, 334.354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

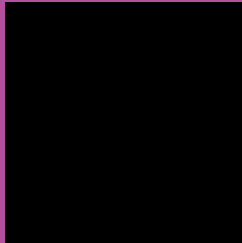
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 55.154, 334.354

Background



This preview shows how black text looks on a background with the CIELCh color 49, 55.154, 334.354.

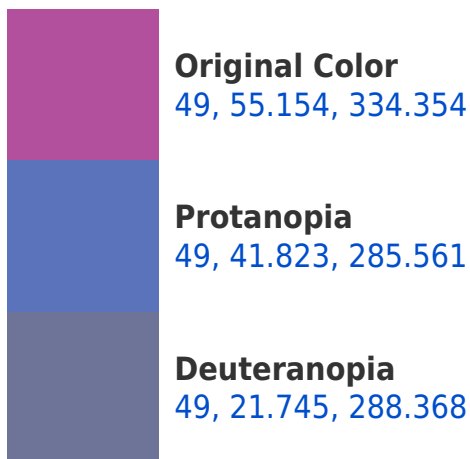


This preview shows how white text looks on a background with the CIELCh color 49, 55.154, 334.354.

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
49, 34.031, 18.429

Trichromacy



Original Color
49, 55.154, 334.354

Protanomaly
48, 44.202, 303.898

Deuteranomaly
48, 32.931, 315.062

Tritanomaly
49, 38.377, 356.845

Monochromacy



Original Color
49, 55.154, 334.354

Achromatopsia
50, 0.007, 296.813

Achromatomaly
48, 21.671, 332.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 55.154, 334.354 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(178, 80, 158)` looks like.

```
.text, #text, p{  
    color:rgb(178, 80, 158)  
}
```

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(178, 80, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 80, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 55.154, 334.354 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(178, 80, 158) }
```

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

```
.border{ border-color:rgb(178, 80, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 80, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 80, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 80, 158);  
box-shadow:4px 4px 4px 4px rgb(178, 80,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 55.154, 334.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 80, 158) }
```

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

```
.background{ background-color: rgb(178, 80,  
158) }
```

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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