

Converting Colors

CIELCh(55, 40.907, 333.987)

Have a look what the booklet for
CIELCh(55, 40.907, 333.987)
contains.

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Color

CIELCh(55, 40.487, 334.079)

Conversions

Conversions Part 1

Format	Color
Hex	B36CA3
RGB	179, 108, 163
RGB Percent	70%, 42%, 64%
CMY	0.2983, 0.5767, 0.3610
CMYK	0.00, 0.40, 0.09, 0.30
HSL	314°, 32%, 56%
HSV	314°, 40%, 70%
XYZ	30.5361, 22.9298, 37.4365
YIQ	135.4990, 24.6610, 32.1570

Conversions

Conversions Part 2

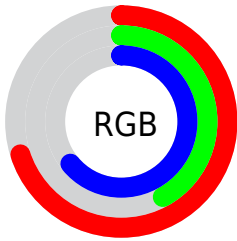
Format	Color
R_{YB}	179, 108, 163
Decimal	11758755
CIE _{Lab}	55.00, 36.41, -17.70
CIE _{LCh}	55, 40.487, 334.079
Yxy	22.9298, 0.3359, 0.2522
Android (android.graphics.Color)	4289948835 (0xFFB36CA3)
YUV	135.4990, 13.5580, 38.1504
Hunter-Lab	47.8851, 30.0297, -12.8333

Details

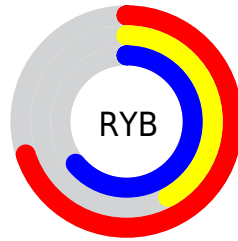
The CIELCh color $55, 40.487, 334.079$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $67, 40.299, 148.168$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 40.421, 334.127$, and $35, 40.410, 334.326$ is the 20% darker color. If you saturate the color by 10%, you get $51, 49.914, 334.826$, and if you desaturate by 10%, it is $59, 30.472, 333.365$.

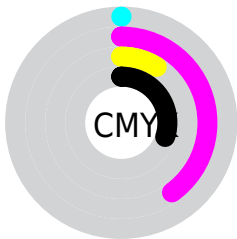
Distribution



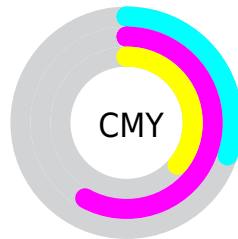
- Red (70%)
- Green (42%)
- Blue (64%)



- Red (70%)
- Yellow (42%)
- Blue (64%)



- Cyan (0%)
- Magenta (40%)
- Yellow (9%)
- Black (30%)





- Cyan (30%)
- Magenta (58%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 40.487, 334.079 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, 40.487, 334.079 by changing the saturation by 10% instead.


 55, 40.487,
334.079


 55, 40.487,
334.079


 100, 40.487,
334.079


 45, 40.487,
334.079


 75, 40.487,
334.079

 35, 40.487,
334.079

 85, 40.487,
334.079

 25, 40.487,
334.079

 95, 40.487,
334.079

 15, 40.487,
334.079

 5, 40.487, 334.079

 0, 40.487, 334.079

55, 40.487,
334.079

55, 40.487,
334.079

51, 49.914,
334.826

59, 30.472,
333.365

48, 58.355,
335.616

64, 20.195,
332.677

45, 65.346,
336.464

68, 9.880, 332.008

43, 70.450,
337.399

73, 0.321, 152.317

41, 73.386,
338.461

78, 10.314,
150.844


40, 74.461,
339.668

83, 20.046,
150.263

40, 74.490,
339.707

88, 29.492,
149.721

93, 38.646,
149.210

 94, 39.365,
150.587

Harmonies

Complementary

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



55, 40.487, 334.079



67, 40.299, 148.168

Rectangle

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



55, 40.487, 334.079



55, 40.487, 24.079



55, 40.487, 154.079



55, 40.487, 204.079

Sweetspot

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



55, 40.485, 334.079



85, 15.162, 332.177



50, 41.992, 301.992



45, 10.146, 332.263



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



55, 40.485, 334.079



66, 59.684, 334.761



54, 30.894, 1.887



35, 5.770, 331.984



34, 66.499, 339.533



2, 13.019, 334.860

Inverse Universe

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



55, 40.485, 334.079



66, 59.684, 334.761



68, 27.256, 173.116



35, 5.770, 331.984



34, 66.499, 339.533



2, 13.019, 334.860

Previews

White Background



This preview shows how the CIELCh color 55, 40.487, 334.079 looks on a white background.

Color Contrast Check

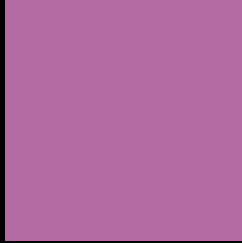
Large Text (above 18pt) WCAG AA ✓ Pass

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, 40.487, 334.079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

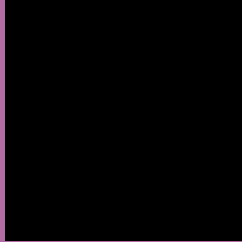
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 40.487, 334.079

Background



This preview shows how black text looks on a background with the CIELCh color 55, 40.487, 334.079.

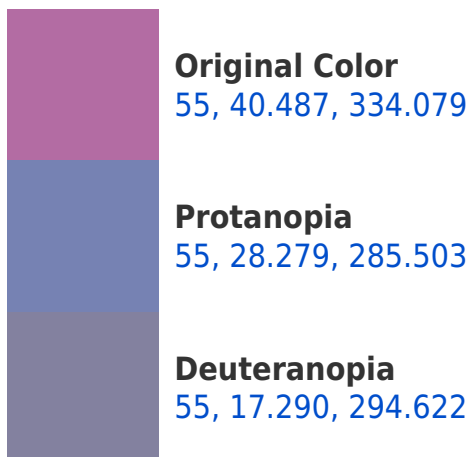


This preview shows how white text looks on a background with the CIELCh color 55, 40.487, 334.079.

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](#).

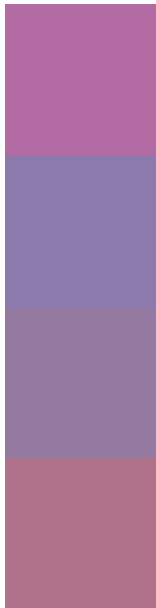
Dichromacy





Tritanopia
55, 24.466, 11.745

Trichromacy



Original Color
55, 40.487, 334.079

Protanomaly
55, 30.178, 305.554

Deuteranomaly
55, 24.660, 316.505

Tritanomaly
55, 28.654, 353.433

Monochromacy



Original Color
55, 40.487, 334.079

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 15.314, 332.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 40.487, 334.079 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(179, 108, 163)` looks like.

```
.text, #text, p{  
    color:rgb(179, 108, 163)  
}
```

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(179, 108, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 108, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 40.487, 334.079 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(179, 108, 163) }
```

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

```
.border{ border-color:rgb(179, 108, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 108, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 108, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 108, 163);  
box-shadow:4px 4px 4px 4px rgb(179, 108,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 40.487, 334.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 108, 163) }
```

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

```
.background{ background-color: rgb(179,  
108, 163) }
```

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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