

# Converting Colors

CIELCh(55, 48.661, 325.283)

Have a look what the booklet for  
CIELCh(55, 48.661, 325.283)  
contains.

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# **Color**

**CIELCh(55, 48.557, 325.412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B16AB4
RGB	177, 106, 180
RGB Percent	69%, 42%, 71%
CMY	0.3061, 0.5845, 0.2943
CMYK	0.02, 0.41, 0.00, 0.29
HSL	298°, 33%, 56%
HSV	298°, 41%, 71%
XYZ	31.4986, 22.9298, 45.9150
YIQ	135.6650, 18.5620, 38.0660

# Conversions

## Conversions Part 2

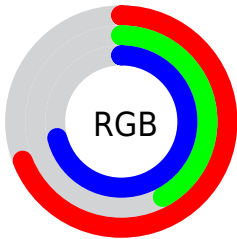
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">177, 106, 180</a>
Decimal	<a href="#">11627188</a>
CIELab	<a href="#">55.00, 39.97, -27.56</a>
CIELCh	<a href="#">55, 48.557, 325.412</a>
Yxy	<a href="#">22.9298, 0.3139, 0.2285</a>
Android (android.graphics.Color)	<a href="#">4289817268 (0xFFB16AB4)</a>
YUV	<a href="#">135.6650, 21.8572, 36.2508</a>
Hunter-Lab	<a href="#">47.8851, 33.6176, -23.3311</a>

# Details

The CIELCh color  $55, 48.557, 325.412$  is a light color, and the websafe version is hex  $996699$ . A complement of this color would be  $67, 48.507, 140.449$ , and the grayscale version is  $56, 0.007, 296.813$ .

A 20% lighter version of the original color is  $75, 48.523, 325.463$ , and  $35, 48.380, 325.477$  is the 20% darker color. If you saturate the color by 10%, you get  $51, 59.387, 325.839$ , and if you desaturate by 10%, it is  $59, 37.026, 324.938$ .

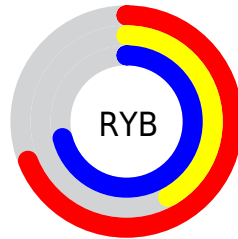
# Distribution



Red (69%)

Green (42%)

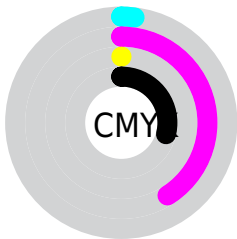
Blue (71%)



Red (69%)

Yellow (42%)

Blue (71%)

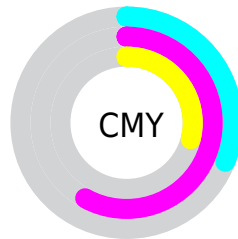


Cyan (2%)

Magenta (41%)

Yellow (0%)

Black (29%)



Cyan (31%)

Magenta (58%)

Yellow (29%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 48.557, 325.412 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, 48.557, 325.412 by changing the saturation by 10% instead.




 55, 48.557,  
325.412

 55, 48.557,  
325.412


 100, 48.557,  
325.412

 45, 48.557,  
325.412


 75, 48.557,  
325.412

 35, 48.557,  
325.412

 85, 48.557,  
325.412

 25, 48.557,  
325.412

 95, 48.557,  
325.412

 15, 48.557,  
325.412

 5, 48.557, 325.412

 0, 48.557, 325.412

55, 48.557,  
325.412

55, 48.557,  
325.412

51, 59.387,  
325.839

59, 37.026,  
324.938

48, 69.092,  
326.197

63, 25.151,  
324.433

45, 77.204,  
326.466

68, 13.190,  
323.911

43, 83.312,  
326.629

73, 1.326, 323.241

42, 87.187,  
326.676

78, 10.324,  
142.933

41, 89.137,  
326.642

82, 21.689,  
142.434

87, 32.731,  
141.966

92, 43.433,  
141.525

■ 94, 46.299,  
141.235

# Harmonies

# Complementary

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



55, 48.557, 325.412



67, 48.507, 140.449

# Rectangle

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



55, 48.557, 325.412



55, 48.557, 15.412



55, 48.557, 145.412



55, 48.557, 195.412

# Sweetspot

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



55, 48.555, 325.412



86, 17.669, 323.968



49, 41.281, 293.775



45, 11.718, 324.036



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, 48.555, 325.412



67, 70.806, 325.787



54, 36.381, 344.853



35, 6.666, 323.814



35, 79.083, 326.661



2, 15.944, 322.778



# Inverse Universe

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



53, 31.874, 20.415



64, 48.235, 22.064



68, 35.106, 157.127



35, 3.912, 16.627



31, 69.430, 37.885



2, 9.171, 16.798



# Previews

## White Background



This preview shows how the CIELCh color 55, 48.557, 325.412 looks on a white background.

## Color Contrast Check

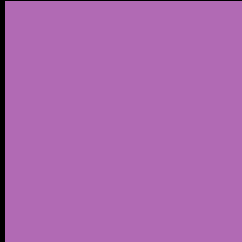
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.557, 325.412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

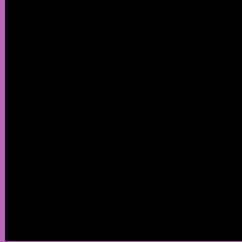
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 55, 48.557, 325.412

## Background



This preview shows how black text looks on a background with the CIELCh color 55, 48.557, 325.412.

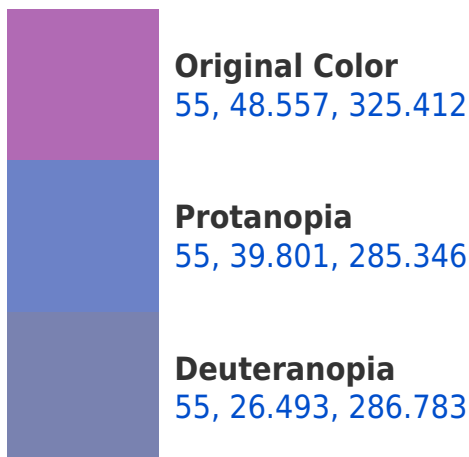


This preview shows how white text looks on a background with the CIELCh color 55, 48.557, 325.412.

# 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, 21.971, 8.649

# Trichromacy



**Original Color**  
55, 48.557, 325.412

**Protanomaly**  
55, 41.169, 300.211

**Deuteranomaly**  
55, 33.124, 305.852

**Tritanomaly**  
55, 29.167, 344.476

# Monochromacy



**Original Color**  
55, 48.557, 325.412

**Achromatopsia**  
57, 0.007, 296.813

**Achromatomaly**  
56, 18.434, 324.347

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 48.557, 325.412 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(177, 106, 180)` looks like.

```
.text, #text, p{  
    color:rgb(177, 106, 180)  
}
```

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(177, 106, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 106, 180) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 48.557, 325.412 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(177, 106, 180) }
```

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

```
.border{ border-color:rgb(177, 106, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 106, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 106, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 106, 180);  
box-shadow:4px 4px 4px 4px rgb(177, 106,  
180) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 48.557, 325.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 106, 180) }
```

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

```
.background{ background-color: rgb(177,  
106, 180) }
```

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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