

# Converting Colors

CIELCh(55, 3.922, 358.498)

Have a look what the booklet for  
CIELCh(55, 3.922, 358.498) contains.

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# Color

**CIELCh(55, 4.352, 356.529)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8B8184
RGB	139, 129, 132
RGB Percent	55%, 51%, 52%
CMY	0.4541, 0.4933, 0.4816
CMYK	0.00, 0.07, 0.05, 0.45
HSL	342°, 4%, 53%
HSV	342°, 7%, 55%
XYZ	22.7354, 22.9298, 25.1283
YIQ	132.3320, 4.9970, 3.0530

# Conversions

## Conversions Part 2

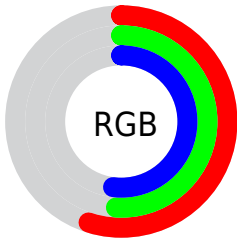
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	139, 129, 132
Decimal	9142660
CIE Lab	55.00, 4.34, -0.26
CIE LCh	55, 4.352, 356.529
Yxy	22.9298, 0.3212, 0.3239
Android (android.graphics.Color)	4287332740 (0xFF8B8184)
YUV	132.3320, -0.1637, 5.8478
Hunter-Lab	47.8851, 0.9513, 2.4065

# Details

The CIELCh color  $55, 4.352, 356.529$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $57, 4.261, 175.422$ , and the grayscale version is  $55, 0.007, 296.813$ .

A 20% lighter version of the original color is  $75, 4.086, 356.326$ , and  $35, 4.333, 354.509$  is the 20% darker color. If you saturate the color by 10%, you get  $51, 10.609, 357.604$ , and if you desaturate by 10%, it is  $59, 1.663, 175.956$ .

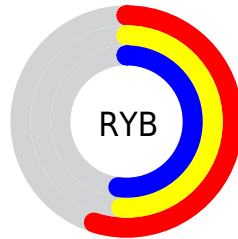
# Distribution



Red (55%)

Green (51%)

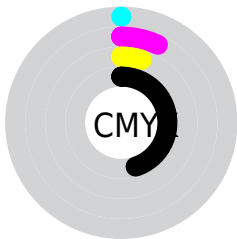
Blue (52%)



Red (55%)

Yellow (51%)

Blue (52%)

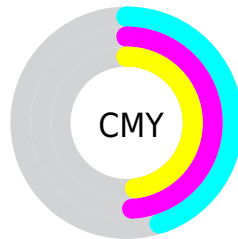


Cyan (0%)

Magenta (7%)

Yellow (5%)

Black (45%)



Cyan (45%)

Magenta (49%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 4.352, 356.529 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, 4.352, 356.529 by changing the saturation by 10% instead.



■ 55, 4.352, 356.529

■ 55, 4.352, 356.529

■ 100, 4.352,  
356.529

■ 45, 4.352, 356.529

■ 75, 4.352, 356.529

■ 35, 4.352, 356.529

■ 85, 4.352, 356.529

■ 25, 4.352, 356.529

■ 95, 4.352, 356.529

■ 15, 4.352, 356.529

■ 5, 4.352, 356.529

■ 0, 4.352, 356.529

■ 55, 4.352, 356.529

■ 55, 4.352, 356.529

■ 51, 10.609,  
357.604

■ 59, 1.663, 175.956

■ 63, 7.415, 174.997

47, 17.067,  
358.790

67, 12.906,  
174.268

43, 23.637, 0.180

72, 18.149,  
173.620

40, 30.175, 1.846

76, 23.160,  
173.032

37, 36.471, 3.888

34, 42.257, 6.433

80, 27.957,  
172.495

32, 47.262, 9.636

84, 32.560,  
172.001

30, 51.301, 13.645

29, 54.537, 18.391

88, 36.988,  
171.544

93, 41.258,  
171.120

# Harmonies

# Complementary

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



55, 4.352, 356.529



57, 4.261, 175.422

# Rectangle

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



55, 4.352, 356.529



55, 4.352, 46.529



55, 4.352, 176.529



55, 4.352, 226.529

# Sweetspot

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



55, 4.350, 356.541



73, 1.488, 355.856



55, 6.396, 316.001



38, 0.852, 355.823



88, 0.010, 296.813



39, 0.006, 296.813



# Same Dimension

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



55, 4.350, 356.541



69, 6.781, 356.752



55, 3.401, 39.219



27, 3.400, 356.747



27, 53.503, 19.402



0, 1.550, 355.969





# Inverse Universe

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



55, 4.350, 356.541



69, 6.781, 356.752



57, 3.260, 219.790



27, 3.400, 356.747



27, 53.503, 19.402



0, 1.550, 355.969



# Previews

## White Background



This preview shows how the CIELCh color 55, 4.352, 356.529 looks on a white background.

## Color Contrast Check

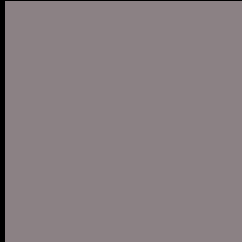
Large Text (above 18pt) WCAG AA ✓ Pass

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, 4.352, 356.529 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

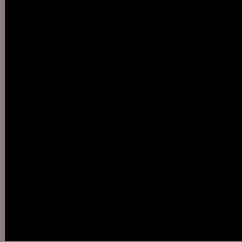
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 55, 4.352, 356.529

## Background



This preview shows how black text looks on a background with the CIELCh color 55, 4.352, 356.529.



This preview shows how white text looks on a background with the CIELCh color 55, 4.352, 356.529.

# 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, 4.352, 356.529

### Protanopia

55, 1.406, 324.386

### Deuteranopia

55, 7.015, 356.080



**Tritanopia**  
55, 7.462, 329.861



# Trichromacy



## Original Color

55, 4.352, 356.529

## Protanomaly

55, 2.639, 338.792

## Deuteranomaly

55, 6.289, 352.960

## Tritanomaly

55, 6.626, 336.209

# Monochromacy



## Original Color

55, 4.352, 356.529

## Achromatopsia

56, 0.007, 296.813

## Achromatomaly

55, 1.326, 353.624

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 4.352, 356.529 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(139, 129, 132)` looks like.

```
.text, #text, p{  
    color:rgb(139, 129, 132)  
}
```

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(139, 129, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 129, 132) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 4.352, 356.529 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(139, 129, 132) }
```

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

```
.border{ border-color:rgb(139, 129, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 129, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 129, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 129, 132); box-shadow:4px 4px 4px 4px rgb(139, 129, 132) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 4.352, 356.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 129, 132) }
```

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

```
.background{ background-color: rgb(139,  
129, 132) }
```

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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