

# Converting Colors

CIELCh(55, 20.706, 325.499)

Have a look what the booklet for  
CIELCh(55, 20.706, 325.499)  
contains.

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**Color**

**CIELCh(55, 20.717, 325.485)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	987A98
RGB	152, 122, 152
RGB Percent	60%, 48%, 60%
CMY	0.4032, 0.5208, 0.4032
CMYK	0.00, 0.20, 0.00, 0.40
HSL	300°, 13%, 54%
HSV	300°, 20%, 60%
XYZ	25.6483, 22.9298, 32.8599
YIQ	134.3900, 8.2500, 15.6900

# Conversions

## Conversions Part 2

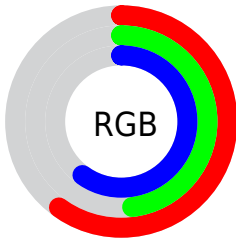
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 122, 152
Decimal	9992856
CIE <sub>Lab</sub>	55.00, 17.07, -11.74
CIE <sub>LCh</sub>	55, 20.717, 325.485
Yxy	22.9298, 0.3149, 0.2816
Android (android.graphics.Color)	4288182936 (0xFF987A98)
YUV	134.3900, 8.6817, 15.4440
Hunter-Lab	47.8851, 11.8095, -7.1666

# Details

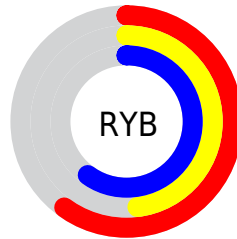
The CIELCh color  $55, 20.717, 325.485$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $60, 20.700, 143.221$ , and the grayscale version is  $56, 0.007, 296.813$ .

A 20% lighter version of the original color is  $75, 20.412, 326.129$ , and  $35, 20.808, 325.849$  is the 20% darker color. If you saturate the color by 10%, you get  $51, 31.192, 326.012$ , and if you desaturate by 10%, it is  $59, 10.169, 324.941$ .

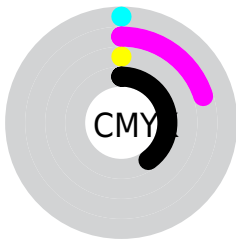
# Distribution



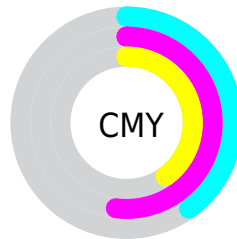
- Red (60%)
- Green (48%)
- Blue (60%)



- Red (60%)
- Yellow (48%)
- Blue (60%)



- Cyan (0%)
- Magenta (20%)
- Yellow (0%)
- Black (40%)




- Cyan (40%)
- Magenta (52%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 20.717, 325.485 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, 20.717, 325.485 by changing the saturation by 10% instead.




 55, 20.717,  
325.485


 55, 20.717,  
325.485


 100, 20.717,  
325.485


 45, 20.717,  
325.485


 75, 20.717,  
325.485


 35, 20.717,  
325.485


 85, 20.717,  
325.485

 25, 20.717,  
325.485

 95, 20.717,  
325.485

 15, 20.717,  
325.485

 5, 20.717, 325.485

 0, 20.717, 325.485

55, 20.717,  
325.485

55, 20.717,  
325.485

51, 31.192,  
326.012

59, 10.169,  
324.941

48, 41.377,  
326.513

63, 0.288, 145.159

45, 50.975,  
326.975

67, 10.555,  
143.925

42, 59.625,  
327.381

71, 20.569,  
143.409

39, 66.941,  
327.715

76, 30.294,  
142.920

38, 72.574,  
327.968

80, 39.718,  
142.457


37, 76.318,  
328.133


84, 48.839,  
142.021

36, 78.557,

89, 57.665,  
141.611

328.231

 92, 63.903,  
141.331

 36, 78.618,  
328.234

# Harmonies

# Complementary

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



55, 20.717, 325.485



60, 20.700, 143.221

# Rectangle

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



55, 20.717, 325.485



55, 20.717, 15.485



55, 20.717, 145.485



55, 20.717, 195.485

# Sweetspot

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



55, 20.715, 325.485



77, 7.796, 324.736



52, 17.434, 292.336



40, 5.159, 324.770



90, 0.011, 296.813



42, 0.006, 296.813





# Same Dimension

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



55, 20.715, 325.485



68, 31.372, 325.739



55, 14.695, 345.320



30, 5.940, 324.914



33, 74.068, 328.234



1, 6.386, 324.439



# Inverse Universe

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



55, 20.715, 325.485



68, 31.372, 325.739



60, 14.345, 161.983



30, 5.940, 324.914



33, 74.068, 328.234

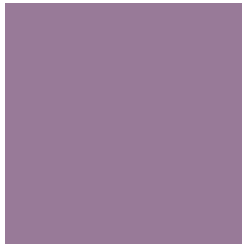


1, 6.386, 324.439



# Previews

## White Background



This preview shows how the CIELCh color 55, 20.717, 325.485 looks on a white background.

## Color Contrast Check

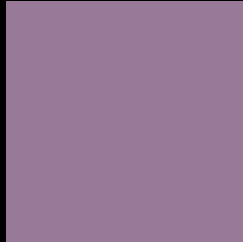
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.717, 325.485 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

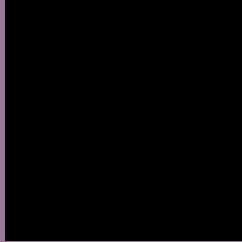
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 55, 20.717, 325.485

## Background



This preview shows how black text looks on a background with the CIELCh color 55, 20.717, 325.485.



This preview shows how white text looks on a background with the CIELCh color 55, 20.717, 325.485.

# 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, 20.717, 325.485

### Protanopia

55, 15.570, 285.408

### Deuteranopia

55, 12.964, 303.324





**Tritanopia**  
55, 11.513, 350.921

# Trichromacy



**Original Color**  
55, 20.717, 325.485

**Protanomaly**  
55, 16.432, 302.393

**Deuteranomaly**  
55, 14.985, 313.960

**Tritanomaly**  
55, 14.424, 338.574

# Monochromacy



**Original Color**  
55, 20.717, 325.485

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
56, 7.664, 324.830

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 20.717, 325.485 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(152, 122, 152)` looks like.

```
.text, #text, p{  
    color:rgb(152, 122, 152)  
}
```

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(152, 122, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 122, 152) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 20.717, 325.485 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(152, 122, 152) }
```

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

```
.border{ border-color:rgb(152, 122, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 122, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 122, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 122, 152);  
box-shadow:4px 4px 4px 4px rgb(152, 122,  
152) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 20.717, 325.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 122, 152) }
```

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

```
.background{ background-color: rgb(152,  
122, 152) }
```

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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