

# Converting Colors

CIELCh(55, 12.587, 324.854)

Have a look what the booklet for  
CIELCh(55, 12.587, 324.854)  
contains.

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**Color**

**CIELCh(55, 12.524, 325.090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	907E90
RGB	144, 126, 144
RGB Percent	56%, 49%, 56%
CMY	0.4346, 0.5052, 0.4346
CMYK	0.00, 0.12, 0.00, 0.43
HSL	300°, 8%, 53%
HSV	300°, 12%, 57%
XYZ	24.0628, 22.9298, 29.6139
YIQ	133.4340, 4.9500, 9.4140

# Conversions

## Conversions Part 2

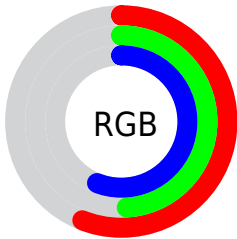
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	144, 126, 144
Decimal	9469584
CIE Lab	55.00, 10.27, -7.17
CIE LCh	55, 12.524, 325.090
Yxy	22.9298, 0.3141, 0.2993
Android (android.graphics.Color)	4287659664 (0xFF907E90)
YUV	133.4340, 5.2090, 9.2664
Hunter-Lab	47.8851, 5.8992, -3.1475

# Details

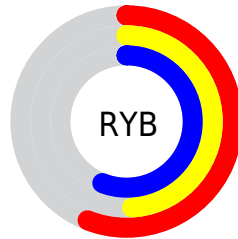
The CIELCh color  $55, 12.524, 325.090$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $58, 12.507, 143.728$ , and the grayscale version is  $56, 0.007, 296.813$ .

A 20% lighter version of the original color is  $75, 12.448, 324.944$ , and  $35, 12.786, 325.348$  is the 20% darker color. If you saturate the color by 10%, you get  $51, 22.612, 325.627$ , and if you desaturate by 10%, it is  $59, 2.482, 324.493$ .

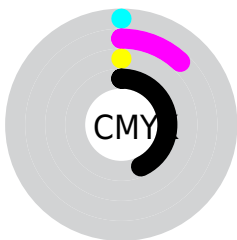
# Distribution



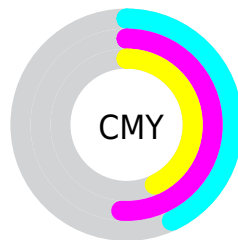
- Red (56%)
- Green (49%)
- Blue (56%)



- Red (56%)
- Yellow (49%)
- Blue (56%)



- Cyan (0%)
- Magenta (12%)
- Yellow (0%)
- Black (43%)




- Cyan (43%)
- Magenta (51%)
- Yellow (43%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 12.524, 325.090 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, 12.524, 325.090 by changing the saturation by 10% instead.





 55, 12.524,  
325.090


 55, 12.524,  
325.090


 100, 12.524,  
325.090


 45, 12.524,  
325.090


 75, 12.524,  
325.090

 35, 12.524,  
325.090

 85, 12.524,  
325.090

 25, 12.524,  
325.090

 95, 12.524,  
325.090

 15, 12.524,  
325.090

 5, 12.524, 325.090

 0, 12.524, 325.090

55, 12.524,  
325.090

55, 12.524,  
325.090

51, 22.612,  
325.627

59, 2.482, 324.493

48, 32.585,  
326.146

63, 7.400, 144.078

44, 42.214,  
326.636

67, 17.053,  
143.553

41, 51.201,  
327.083

71, 26.440,  
143.059

39, 59.193,  
327.470

75, 35.541,  
142.590

37, 65.824,  
327.784

79, 44.354,  
142.148


35, 70.790,  
328.015


83, 52.882,  
141.733

34, 73.938,

88, 61.136,  
141.344

328.159

 91, 68.619,  
141.005

 34, 75.573,  
328.233

# Harmonies

# Complementary

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



55, 12.524, 325.090



58, 12.507, 143.728

# Rectangle

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



55, 12.524, 325.090



55, 12.524, 15.090



55, 12.524, 145.090



55, 12.524, 195.090

# Sweetspot

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



55, 12.522, 325.090



75, 4.974, 324.610



53, 10.413, 291.460



39, 3.525, 324.654



88, 0.010, 296.813



40, 0.006, 296.813





# Same Dimension

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



55, 12.522, 325.090



69, 18.758, 325.244



55, 8.840, 344.642



28, 5.608, 324.908



32, 72.103, 328.233



1, 3.767, 324.439



# Inverse Universe

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



55, 12.522, 325.090



69, 18.758, 325.244



58, 8.702, 162.660



28, 5.608, 324.908



32, 72.103, 328.233



1, 3.767, 324.439



# Previews

## White Background



This preview shows how the CIELCh color 55, 12.524, 325.090 looks on a white background.

## Color Contrast Check

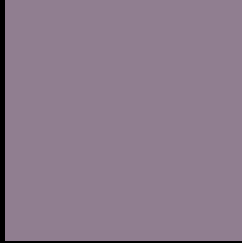
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.524, 325.090 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, 12.524, 325.090

## Background



This preview shows how black text looks on a background with the CIELCh color 55, 12.524, 325.090.



This preview shows how white text looks on a background with the CIELCh color 55, 12.524, 325.090.

# 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, 12.524, 325.090


### Protanopia

55, 9.196, 288.949

### Deuteranopia

55, 10.177, 315.774





**Tritanopia**  
55, 8.562, 338.257

# Trichromacy



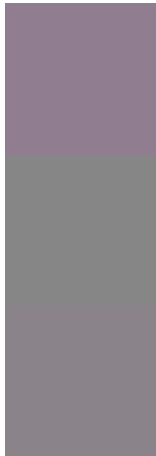
**Original Color**  
55, 12.524, 325.090

**Protanomaly**  
55, 10.080, 304.393

**Deuteranomaly**  
55, 11.221, 320.011

**Tritanomaly**  
55, 9.783, 330.740

# Monochromacy



**Original Color**  
55, 12.524, 325.090

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
56, 4.888, 324.670

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 12.524, 325.090 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(144, 126, 144)` looks like.

```
.text, #text, p{  
    color:rgb(144, 126, 144)  
}
```

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(144, 126, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 126, 144) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 12.524, 325.090 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(144, 126, 144) }
```

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

```
.border{ border-color:rgb(144, 126, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 126, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 126, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 126, 144);  
box-shadow:4px 4px 4px 4px rgb(144, 126,  
144) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 12.524, 325.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 126, 144) }
```

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

```
.background{ background-color: rgb(144,  
126, 144) }
```

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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