

# Converting Colors

CIELCh(55, 6.278, 19.363)

Have a look what the booklet for  
CIELCh(55, 6.278, 19.363) contains.

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# Color

**CIELCh(55, 6.480, 20.038)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	908080
RGB	144, 128, 128
RGB Percent	56%, 50%, 50%
CMY	0.4352, 0.4980, 0.4980
CMYK	0.00, 0.11, 0.11, 0.44
HSL	0°, 7%, 53%
HSV	0°, 11%, 56%
XYZ	23.1208, 22.9298, 23.6327
YIQ	132.7840, 9.5360, 3.3920

# Conversions

## Conversions Part 2

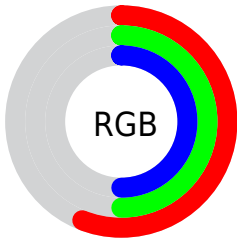
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 128, 128
Decimal	9470080
CIELab	55.00, 6.09, 2.22
CIELCh	55, 6.480, 20.038
Yxy	22.9298, 0.3318, 0.3291
Android (android.graphics.Color)	4287660160 (0xFF908080)
YUV	132.7840, -2.3585, 9.8364
Hunter-Lab	47.8851, 2.3877, 4.2583

# Details

The CIELCh color  $55, 6.480, 20.038$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $59, 6.051, 198.906$ , and the grayscale version is  $55, 0.007, 296.813$ .

A 20% lighter version of the original color is  $75, 6.434, 19.859$ , and  $35, 6.659, 20.366$  is the 20% darker color. If you saturate the color by 10%, you get  $51, 12.789, 20.893$ , and if you desaturate by 10%, it is  $59, 0.624, 18.793$ .

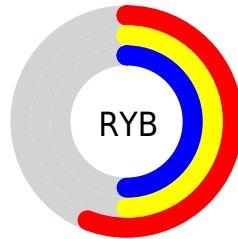
# Distribution



Red (56%)

Green (50%)

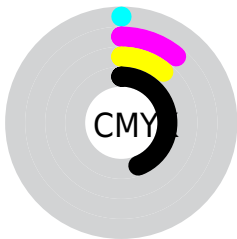
Blue (50%)



Red (56%)

Yellow (50%)

Blue (50%)

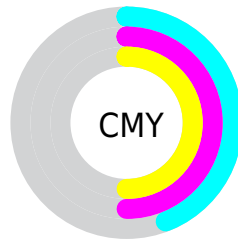


Cyan (0%)

Magenta (11%)

Yellow (11%)

Black (44%)



Cyan (44%)

Magenta (50%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 6.480, 20.038 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, 6.480, 20.038 by changing the saturation by 10% instead.





 55, 6.480, 20.038       55, 6.480, 20.038

 100, 6.480, 20.038       45, 6.480, 20.038

 75, 6.480, 20.038       35, 6.480, 20.038


 85, 6.480, 20.038       25, 6.480, 20.038


 95, 6.480, 20.038       15, 6.480, 20.038

 5, 6.480, 20.038

 0, 6.480, 20.038

 55, 6.480, 20.038       55, 6.480, 20.038

 51, 12.789, 20.893       59, 0.624, 18.793

 47, 19.557, 21.949       64, 4.800, 199.079

43, 26.748, 23.311

68, 9.832, 198.636

39, 34.270, 25.077

73, 14.511,  
198.302

36, 41.966, 27.348

77, 18.878,  
198.036

33, 49.607, 30.191

31, 56.874, 33.537

81, 22.972,  
197.819

30, 63.200, 36.960

86, 26.825,  
197.640

29, 67.552, 39.214

90, 30.469,  
197.491

94, 33.317,  
197.370

# Harmonies

# Complementary

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



55, 6.480, 20.038



59, 6.051, 198.906

# Rectangle

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



55, 6.480, 20.038



55, 6.480, 70.038



55, 6.480, 200.038



55, 6.480, 250.038

# Sweetspot

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



55, 6.479, 20.051



74, 2.092, 19.348



55, 11.125, 325.014



39, 1.603, 19.443



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, 6.479, 20.051



69, 9.424, 20.220



57, 5.571, 74.054



28, 3.245, 19.902



27, 64.129, 38.802



0, 2.121, 19.419





# Inverse Universe

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



59, 6.051, 198.906



74, 8.680, 198.786



56, 5.428, 256.891



30, 3.068, 199.020



51, 31.260, 196.411



2, 2.121, 199.436



# Previews

## White Background



This preview shows how the CIELCh color 55, 6.480, 20.038 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, 6.480, 20.038 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

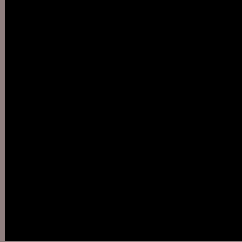
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 55, 6.480, 20.038**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 55, 6.480, 20.038.



This preview shows how white text looks on a background with the CIELCh color 55, 6.480, 20.038.

# 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, 6.480, 20.038

### Protanopia

55, 1.316, 44.993

### Deuteranopia

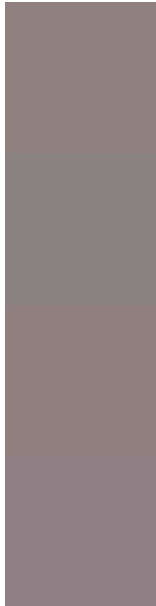
55, 7.732, 15.967



**Tritanopia**  
55, 9.165, 341.707



# Trichromacy



## Original Color

55, 6.480, 20.038

## Protanomaly

55, 3.254, 29.732

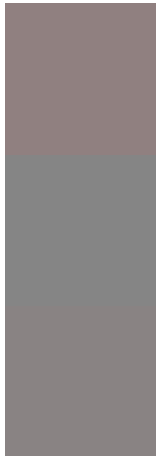
## Deuteranomaly

55, 7.319, 15.677

## Tritanomaly

55, 8.236, 351.182

# Monochromacy



## Original Color

55, 6.480, 20.038

## Achromatopsia

56, 0.007, 296.813

## Achromatomaly

55, 2.390, 19.487

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 6.480, 20.038 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, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(144, 128, 128)  
}
```

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, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 128, 128) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 6.480, 20.038 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, 128, 128) }
```

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

```
.border{ border-color:rgb(144, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(144, 128,  
128) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 6.480, 20.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 128, 128) }
```

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

```
.background{ background-color: rgb(144,  
128, 128) }
```

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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