

Converting Colors

CIELCh(55, 1.596, 202.398)

Have a look what the booklet for
CIELCh(55, 1.596, 202.398) contains.

CIELCh(55, 1.657, 219.807)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(55, 1.657, 219.807)

Conversions

Conversions Part 1

Format	Color
Hex	808485
RGB	128, 132, 133
RGB Percent	50%, 52%, 52%
CMY	0.4965, 0.4808, 0.4769
CMYK	0.04, 0.01, 0.00, 0.48
HSL	192°, 2%, 51%
HSV	192°, 4%, 52%
XYZ	21.5233, 22.9298, 25.6214
YIQ	130.9180, -2.7050, -0.5370

Conversions

Conversions Part 2

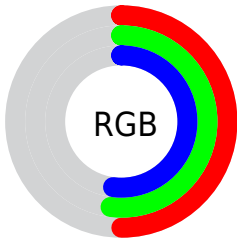
Format	Color
R _Y B	128, 130, 133
Decimal	8422533
CIE Lab	55.00, -1.27, -1.06
CIE LCh	55, 1.657, 219.807
Yxy	22.9298, 0.3071, 0.3272
Android (android.graphics.Color)	4286612613 (0xFF808485)
YUV	130.9180, 1.0264, -2.5591
Hunter-Lab	47.8851, -3.5671, 1.7959

Details

The CIELCh color $55, 1.657, 219.807$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $54, 1.691, 39.113$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 1.562, 219.869$, and $35, 1.789, 219.779$ is the 20% darker color. If you saturate the color by 10%, you get $53, 5.929, 219.903$, and if you desaturate by 10%, it is $57, 2.811, 39.162$.

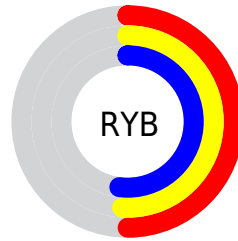
Distribution



Red (50%)

Green (52%)

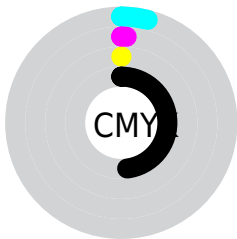
Blue (52%)



Red (50%)

Yellow (51%)

Blue (52%)

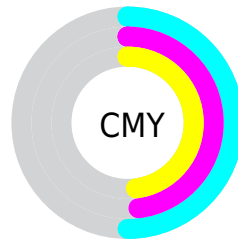


Cyan (4%)

Magenta (1%)

Yellow (0%)

Black (48%)



Cyan (50%)













Magenta (48%)





Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 1.657, 219.807 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, 1.657, 219.807 by changing the saturation by 10% instead.

 55, 1.657, 219.807	 55, 1.657, 219.807
 100, 1.657, 219.807	 45, 1.657, 219.807
 75, 1.657, 219.807	 35, 1.657, 219.807
 85, 1.657, 219.807	 25, 1.657, 219.807
 95, 1.657, 219.807	 15, 1.657, 219.807
	 5, 1.657, 219.807
	 0, 1.657, 219.807

 55, 1.657, 219.807	 55, 1.657, 219.807
 53, 5.929, 219.903	 57, 2.811, 39.162
 52, 9.951, 220.350	 59, 7.430, 39.137

■ 50, 13.663,
221.004

■ 61, 12.160, 39.116

■ 48, 17.003,
221.903

■ 63, 16.968, 39.137

■ 47, 19.910,
223.101

■ 65, 21.828, 39.196

■ 46, 22.333,
224.666

■ 69, 31.625, 39.393

■ 44, 24.242,
226.673

■ 71, 36.531, 39.518

■ 43, 25.638,
229.195

■ 73, 41.427, 39.653

■ 42, 26.571,
232.288

Harmonies

Complementary

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



55, 1.657, 219.807



54, 1.691, 39.113

Rectangle

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



55, 1.657, 219.807



55, 1.657, 269.807



55, 1.657, 39.807



55, 1.657, 89.807

Sweetspot

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



55, 1.657, 219.754



71, 0.552, 220.329



55, 3.079, 149.803



37, 0.313, 220.393



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



55, 1.657, 219.754



70, 2.729, 219.727



54, 2.058, 272.963



27, 1.482, 219.725



40, 26.585, 234.212



0, 0.599, 219.439

Inverse Universe

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



54, 3.058, 330.661



69, 5.053, 330.762



55, 2.046, 91.912



27, 2.747, 330.787



29, 60.327, 337.781



0, 1.092, 330.510

Previews

White Background



This preview shows how the CIELCh color 55, 1.657, 219.807 looks on a white background.

Color Contrast Check

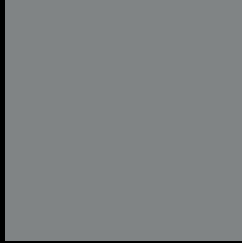
Large Text (above 18pt) WCAG AA ✓ Pass

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, 1.657, 219.807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

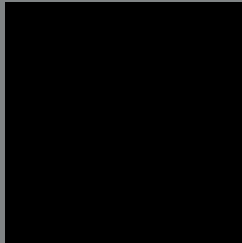
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

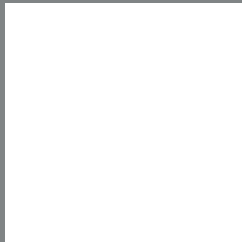
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 1.657, 219.807

Background



This preview shows how black text looks on a background with the CIELCh color 55, 1.657, 219.807.



This preview shows how white text looks on a background with the CIELCh color 55, 1.657, 219.807.

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, 1.657, 219.807

Protanopia

55, 1.663, 335.659

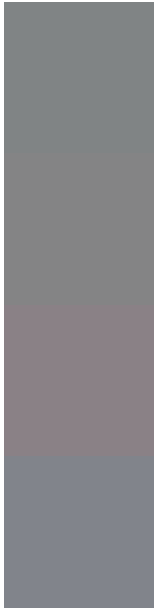
Deuteranopia

55, 7.545, 348.085



Tritanopia
55, 6.329, 287.496

Trichromacy



Original Color
55, 1.657, 219.807

Protanomaly
55, 0.580, 290.329

Deuteranomaly
55, 4.597, 341.204

Tritanomaly
55, 4.164, 274.613

Monochromacy



Original Color
55, 1.657, 219.807

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 0.785, 199.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 1.657, 219.807 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(128, 132, 133)` looks like.

```
.text, #text, p{  
    color:rgb(128, 132, 133)  
}
```

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(128, 132, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 132, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 1.657, 219.807 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(128, 132, 133) }
```

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

```
.border{ border-color:rgb(128, 132, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 132, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 132, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 132, 133);  
box-shadow:4px 4px 4px 4px rgb(128, 132,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 1.657, 219.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 132, 133) }
```

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

```
.background{ background-color: rgb(128,  
132, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor