

Converting Colors

CIELCh(55, 7.245, 204.800)

Have a look what the booklet for
CIELCh(55, 7.245, 204.800) contains.

CIELCh(55, 7.233, 207.934)	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, 7.233, 207.934)

Conversions

Conversions Part 1

Format	Color
Hex	748789
RGB	116, 135, 137
RGB Percent	45%, 53%, 54%
CMY	0.5442, 0.4697, 0.4619
CMYK	0.15, 0.01, 0.00, 0.46
HSL	186°, 8%, 50%
HSV	186°, 15%, 54%
XYZ	20.4572, 22.9298, 27.0978
YIQ	129.5470, -11.9660, -3.4060

Conversions

Conversions Part 2

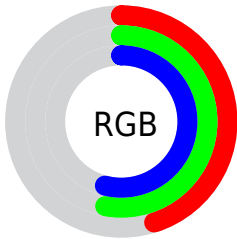
Format	Color
RYB	116, 126, 137
Decimal	7636873
CIELab	55.00, -6.39, -3.39
CIELCh	55, 7.233, 207.934
Yxy	22.9298, 0.2902, 0.3253
Android (android.graphics.Color)	4285826953 (0xFF748789)
YUV	129.5470, 3.6743, -11.8807
Hunter-Lab	47.8851, -7.5412, -0.0321

Details

The CIELCh color `55, 7.233, 207.934` is a dark color, and the websafe version is hex `999999`. A complement of this color would be `51, 7.980, 28.539`, and the grayscale version is `54, 0.007, 296.813`.

A 20% lighter version of the original color is `75, 7.230, 207.538`, and `35, 7.289, 208.393` is the 20% darker color. If you saturate the color by 10%, you get `54, 11.588, 207.846`, and if you desaturate by 10%, it is `56, 2.574, 208.174`.

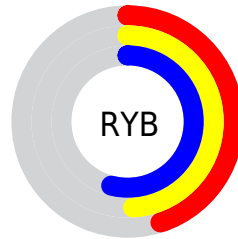
Distribution



Red (45%)

Green (53%)

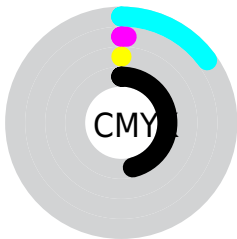
Blue (54%)



Red (45%)

Yellow (49%)

Blue (54%)

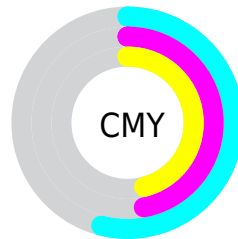


Cyan (15%)

Magenta (1%)

Yellow (0%)

Black (46%)



Cyan (54%)

Magenta (47%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 7.233, 207.934 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, 7.233, 207.934 by changing the saturation by 10% instead.

■ 55, 7.233, 207.934

■ 55, 7.233, 207.934

■ 100, 7.233,
207.934

■ 45, 7.233, 207.934

■ 75, 7.233, 207.934

■ 35, 7.233, 207.934

■ 85, 7.233, 207.934

■ 25, 7.233, 207.934

■ 95, 7.233, 207.934

■ 15, 7.233, 207.934

■ 5, 7.233, 207.934

■ 0, 7.233, 207.934

■ 55, 7.233, 207.934

■ 55, 7.233, 207.934

■ 54, 11.588,
207.846

■ 56, 2.574, 208.174

■ 58, 2.324, 28.044

■ 53, 15.564,
207.892

■ 59, 7.401, 28.437

■ 51, 19.087,
208.077

■ 61, 12.606, 28.770

■ 50, 22.086,
208.429

■ 63, 17.899, 29.119

■ 50, 24.502,
208.978

■ 66, 28.619, 29.861

■ 49, 26.301,
209.757

■ 68, 33.998, 30.243

■ 48, 27.478,
210.800

■ 70, 39.367, 30.626

■ 48, 28.091,
212.122

■ 47, 28.316,
212.770

Harmonies

Complementary

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



55, 7.233, 207.934



51, 7.980, 28.539

Rectangle

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



55, 7.233, 207.934



55, 7.233, 257.934



55, 7.233, 27.934



55, 7.233, 77.934

Sweetspot

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



55, 7.233, 207.924



72, 3.007, 208.184



55, 13.923, 145.849



37, 2.041, 208.155



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



55, 7.233, 207.924



70, 10.448, 207.887



52, 7.765, 265.969



28, 2.719, 208.041



46, 27.628, 212.711



1, 1.292, 208.134

Inverse Universe

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



51, 13.831, 327.964



64, 20.182, 328.142



54, 7.910, 81.957



27, 5.098, 327.608



30, 66.134, 332.298



0, 2.352, 327.123

Previews

White Background



This preview shows how the CIELCh color 55, 7.233, 207.934 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, 7.233, 207.934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

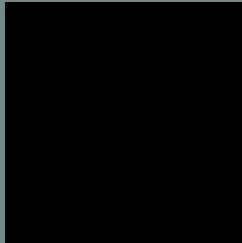
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

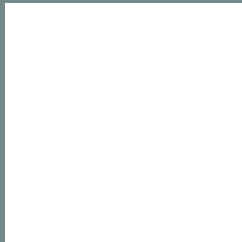
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 7.233, 207.934

Background



This preview shows how black text looks on a background with the CIELCh color 55, 7.233, 207.934.



This preview shows how white text looks on a background with the CIELCh color 55, 7.233, 207.934.

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

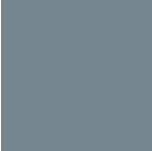
55, 7.233, 207.934

Protanopia

55, 2.443, 309.156

Deuteranopia

55, 8.151, 329.474



Tritanopia
55, 8.524, 247.063

Trichromacy



Original Color
55, 7.233, 207.934

Protanomaly
55, 2.864, 236.372

Deuteranomaly
55, 4.051, 296.158

Tritanomaly
55, 7.715, 235.654

Monochromacy



Original Color
55, 7.233, 207.934

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 2.770, 211.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 7.233, 207.934 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(116, 135, 137)` looks like.

```
.text, #text, p{  
    color:rgb(116, 135, 137)  
}
```

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(116, 135, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 135, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 7.233, 207.934 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(116, 135, 137) }
```

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

```
.border{ border-color:rgb(116, 135, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 135, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 135, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 135, 137);  
box-shadow:4px 4px 4px 4px rgb(116, 135,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 7.233, 207.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 135, 137) }
```

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

```
.background{ background-color: rgb(116,  
135, 137) }
```

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