

Converting Colors

CIELCh(55, 13.344, 235.491)

Have a look what the booklet for
CIELCh(55, 13.344, 235.491)
contains.

CIELCh(55, 13.318, 235.965)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 13.318, 235.965)

Conversions

Conversions Part 1

Format	Color
Hex	698896
RGB	105, 136, 150
RGB Percent	41%, 53%, 59%
CMY	0.5870, 0.4654, 0.4105
CMYK	0.30, 0.09, 0.00, 0.41
HSL	199°, 18%, 50%
HSV	199°, 30%, 59%
XYZ	20.2401, 22.9298, 32.3467
YIQ	128.3270, -22.9700, -2.2180

Conversions

Conversions Part 2

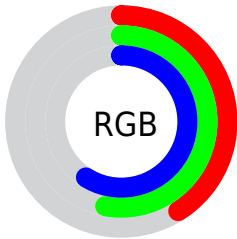
Format	Color
RYB	105, 123, 150
Decimal	6916246
CIELab	55.00, -7.45, -11.04
CIELCh	55, 13.318, 235.965
Yxy	22.9298, 0.2680, 0.3036
Android (android.graphics.Color)	4285106326 (0xFF698896)
YUV	128.3270, 10.6848, -20.4578
Hunter-Lab	47.8851, -8.3506, -6.5311

Details

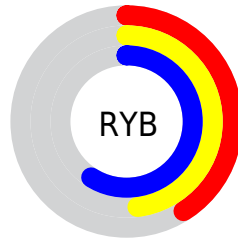
The CIELCh color `55, 13.318, 235.965` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `53, 15.807, 51.038`, and the grayscale version is `54, 0.007, 296.813`.

A 20% lighter version of the original color is `75, 13.377, 236.227`, and `35, 13.207, 236.521` is the 20% darker color. If you saturate the color by 10%, you get `53, 17.242, 237.502`, and if you desaturate by 10%, it is `57, 9.098, 234.740`.

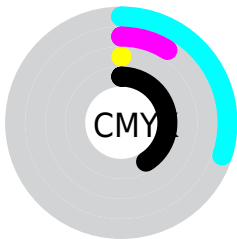
Distribution



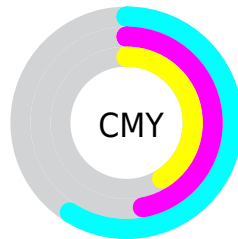
- Red (41%)
- Green (53%)
- Blue (59%)



- Red (41%)
- Yellow (48%)
- Blue (59%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)
- Black (41%)





- Cyan (59%)
- Magenta (47%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 13.318, 235.965 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, 13.318, 235.965 by changing the saturation by 10% instead.


 55, 13.318,
235.965


 55, 13.318,
235.965


 100, 13.318,
235.965


 45, 13.318,
235.965


 75, 13.318,
235.965

 35, 13.318,
235.965

 85, 13.318,
235.965

 25, 13.318,
235.965

 95, 13.318,
235.965

 15, 13.318,
235.965

 5, 13.318, 235.965

 0, 13.318, 235.965

■ 55, 13.318,
235.965

■ 55, 13.318,
235.965

■ 53, 17.242,
237.502

■ 57, 9.098, 234.740

■ 51, 20.823,
239.436

■ 60, 4.634, 233.801

■ 62, 0.025, 36.433

■ 48, 24.021,
241.842

■ 65, 4.833, 52.224

■ 46, 26.820,
244.804

■ 67, 9.756, 51.768

■ 45, 29.239,
248.391

■ 70, 14.761, 51.384

■ 43, 31.344,
252.628

■ 72, 19.821, 51.071

■ 75, 24.916, 50.818

■ 41, 33.329,
257.235

■ 78, 30.027, 50.614

■ 41, 33.341,

257.261

Harmonies

Complementary

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



55, 13.318, 235.965



53, 15.807, 51.038

Rectangle

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



55, 13.318, 235.965



55, 13.318, 285.965



55, 13.318, 55.965



55, 13.318, 105.965

Sweetspot

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



55, 13.318, 235.961



77, 5.224, 233.742



58, 25.072, 151.937



40, 3.649, 233.848



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, 13.318, 235.961



69, 19.518, 236.969



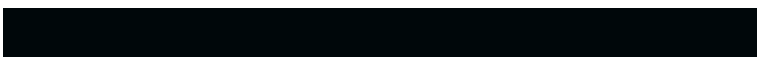
49, 21.312, 284.505



30, 2.602, 233.742



38, 31.157, 256.823



2, 2.317, 232.951

Inverse Universe

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



50, 25.145, 336.873



61, 37.496, 337.425



59, 20.603, 96.995



29, 4.643, 335.320



30, 58.239, 345.166



1, 4.030, 334.736

Previews

White Background



This preview shows how the CIE LCh color 55, 13.318, 235.965 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, 13.318, 235.965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

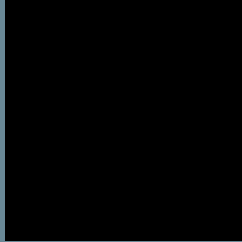
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

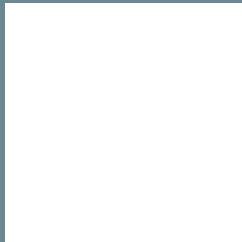
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 13.318, 235.965

Background



This preview shows how black text looks on a background with the CIELCh color 55, 13.318, 235.965.



This preview shows how white text looks on a background with the CIELCh color 55, 13.318, 235.965.

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, 13.318, 235.965

Protanopia

55, 9.208, 288.957

Deuteranopia

55, 14.041, 300.953



Tritanopia
55, 12.792, 228.243

Trichromacy



Original Color
55, 13.318, 235.965

Protanomaly
55, 10.088, 265.414

Deuteranomaly
55, 11.720, 278.937

Tritanomaly
55, 13.030, 230.614

Monochromacy



Original Color
55, 13.318, 235.965

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 5.338, 231.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 13.318, 235.965 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(105, 136, 150)` looks like.

```
.text, #text, p{  
    color:rgb(105, 136, 150)  
}
```

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(105, 136, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 136, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 13.318, 235.965 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(105, 136, 150) }
```

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

```
.border{ border-color:rgb(105, 136, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 136, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 136, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 136, 150);  
box-shadow:4px 4px 4px 4px rgb(105, 136,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 13.318, 235.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 136, 150) }
```

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

```
.background{ background-color: rgb(105,  
136, 150) }
```

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