Converting Colors

CIELCh(55, 8.614, 238.537)

Have a look what the booklet for CIELCh(55, 8.614, 238.537) contains.

CIELCh(55, 8.585, 236.042) 3
Conversions 4
Details 6
Harmonies 11
Previews 20
Color Blindness Simulation 23
CSS Examples 26

Color

CIELCh(55, 8.585, 236.042)

Conversions

Conversions Part 1

Format	Color
Hex	748790
RGB	116, 135, 144
RGB Percent	45%, 53%, 56%
CMY	0.5464, 0.4719, 0.4366
CMYK	0.19, 0.06, 0.00, 0.44
HSL	199°, 11%, 51%
HSV	199°, 19%, 56%
XYZ	20.7856, 22.9298, 29.5820
YIQ	130.3450, -14.2130, -1.2290

Conversions

Conversions Part 2

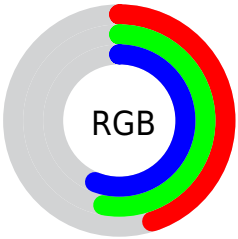
Format	Color
RYB	116, 127, 144
Decimal	7636880
CIELab	55.00, -4.80, -7.12
CIELCh	55, 8.585, 236.042
Yxy	22.9298, 0.2836, 0.3128
Android (android.graphics.Color)	4285826960 (0xFF748790)
YUV	130.3450, 6.7319, -12.5806
Hunter-Lab	47.8851, -6.3171, -3.1080

Details

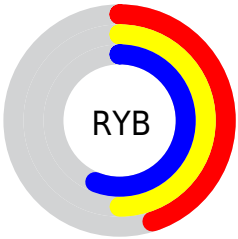
The CIELCh color 55, 8.585, 236.042 is a dark color, and the websafe version is hex 999999. A complement of this color would be 54, 9.517, 52.807, and the grayscale version is 54, 0.007, 296.813.

A 20% lighter version of the original color is 75, 8.759, 237.182, and 35, 8.789, 238.631 is the 20% darker color. If you saturate the color by 10%, you get 53, 12.681, 237.282, and if you desaturate by 10%, it is 57, 4.265, 235.067.

Distribution

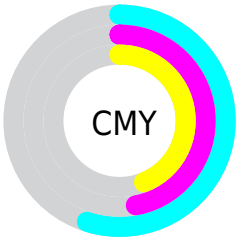


- Red (45%)
- Green (53%)
- Blue (56%)



- Red (45%)
- Yellow (50%)
- Blue (56%)

- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (44%)



- Cyan (55%)
- Magenta (47%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 8.585, 236.042 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, 8.585, 236.042 by changing the saturation by 10% instead.

55, 8.585, 236.042

100, 8.585, 236.042

75, 8.585, 236.042

85, 8.585, 236.042

95, 8.585, 236.042

55, 8.585, 236.042

45, 8.585, 236.042

35, 8.585, 236.042

25, 8.585, 236.042

15, 8.585, 236.042

5, 8.585, 236.042

0, 8.585, 236.042

55, 8.585, 236.042

53, 12.681, 237.282

55, 8.585, 236.042

57, 4.265, 235.067

60, 0.233, 52.503

50, 16.507, 238.852

48, 20.017, 240.810

46, 23.176, 243.237

44, 25.968, 246.214

42, 28.412, 249.807

41, 30.570, 254.037

39, 32.620, 258.631

39, 32.731, 258.858

62, 4.869, 53.433

65, 9.608, 52.947

67, 14.422, 52.535

70, 19.286, 52.196

72, 24.180, 51.918

75, 29.088, 51.690

78, 33.999, 51.502

Harmonies

Complementary

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

55, 8.585, 236.042

54, 9.517, 52.807

Rectangle

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

55, 8.585, 236.042

55, 8.585, 286.042

55, 8.585, 56.042

55, 8.585, 106.042

Sweetspot

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

55, 8.585, 236.034

74, 3.355, 234.824

57, 15.541, 153.546

39, 2.241, 234.860

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, 8.585, 236.034

69, 12.405, 236.497

51, 13.415, 283.803

29, 2.528, 235.043

37, 31.217, 258.542

1, 1.737, 234.219

Inverse Universe

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

52, 15.626, 336.503

64, 22.822, 336.806

58, 13.106, 99.235

28, 4.476, 335.744

29, 57.118, 345.871

1, 3.000, 335.158

Previews

White Background

This preview shows how the CIELCh color 55, 8.585, 236.042 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, 8.585, 236.042 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, 8.585, 236.042

Background

This preview shows how black text looks on a background with the CIELCh color 55, 8.585, 236.042.

This preview shows how white text looks on a background with the CIELCh color 55, 8.585, 236.042.

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, 8.585, 236.042

Protanopia
55, 5.749, 290.879

Deuteranopia
55, 10.553, 312.562

Tritanopia
55, 9.013, 243.686

Trichromacy

Original Color
55, 8.585, 236.042

Protanomaly
55, 6.273, 265.948

Deuteranomaly
55, 8.632, 291.224

Tritanomaly
55, 9.013, 243.686

Monochromacy

Original Color
55, 8.585, 236.042

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 3.180, 232.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 8.585, 236.042 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, 144) looks like.

```
.text, #text, p{
    color:rgb(116, 135, 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(116, 135, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 135, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 8.585, 236.042 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, 144) }
```

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

```
.border{ border-color:rgb(116, 135, 144) }
```

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, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 135, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 135, 144); box-shadow:4px 4px 4px 4px rgb(116, 135, 144) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 8.585, 236.042 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, 144) }
```

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

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

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