

Converting Colors

CIELCh(55, 21.353, 197.405)

Have a look what the booklet for
CIELCh(55, 21.353, 197.405)
contains.

CIELCh(55, 21.450, 197.379)	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, 21.450, 197.379)

Conversions

Conversions Part 1

Format	Color
Hex	4E8E8E
RGB	78, 142, 142
RGB Percent	31%, 56%, 56%
CMY	0.6940, 0.4430, 0.4430
CMYK	0.45, 0.00, 0.00, 0.44
HSL	180°, 29%, 43%
HSV	180°, 45%, 56%
XYZ	17.7067, 22.9298, 29.0956
YIQ	122.8640, -38.1440, -13.5680

Conversions

Conversions Part 2

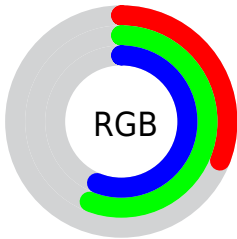
Format	Color
R_{YB}	78, 110, 142
Decimal	5148302
CIE _{Lab}	55.00, -20.47, -6.41
CIE _{LCh}	55, 21.450, 197.379
Yxy	22.9298, 0.2539, 0.3288
Android (android.graphics.Color)	4283338382 (0xFF4E8E8E)
YUV	122.8640, 9.4340, -39.3457
Hunter-Lab	47.8851, -17.7942, -2.5058

Details

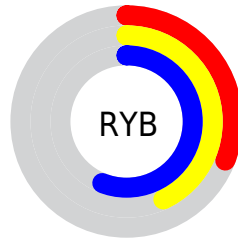
The CIELCh color **55, 21.450, 197.379** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **41, 29.350, 23.932**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 21.559, 197.797**, and **35, 21.299, 198.384** is the 20% darker color. If you saturate the color by 10%, you get **54, 24.870, 197.062**, and if you desaturate by 10%, it is **56, 17.452, 197.752**.

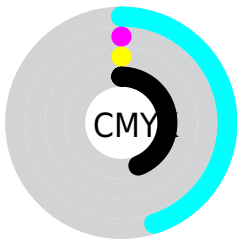
Distribution



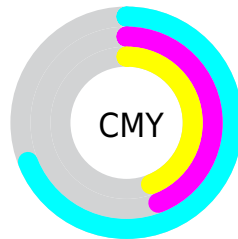
- Red (31%)
- Green (56%)
- Blue (56%)



- Red (31%)
- Yellow (43%)
- Blue (56%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (44%)





- Cyan (69%)
- Magenta (44%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 21.450, 197.379 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, 21.450, 197.379 by changing the saturation by 10% instead.


 55, 21.450,
197.379


 55, 21.450,
197.379


 100, 21.450,
197.379


 45, 21.450,
197.379


 75, 21.450,
197.379

 35, 21.450,
197.379

 85, 21.450,
197.379

 25, 21.450,
197.379

 95, 21.450,
197.379

 15, 21.450,
197.379

 5, 21.450, 197.379

 0, 21.450, 197.379

■ 55, 21.450,
197.379

■ 55, 21.450,
197.379

■ 54, 24.870,
197.062

■ 56, 17.452,
197.752

■ 54, 27.655,
196.808

■ 56, 12.949,
198.184

■ 54, 29.773,
196.618

■ 57, 8.025, 198.675

■ 53, 31.230,
196.488

■ 58, 2.764, 199.287

■ 53, 32.082,
196.412

■ 60, 2.757, 19.520

■ 53, 32.417,
196.383

■ 61, 8.465, 20.195

■ 62, 14.299, 20.803

■ 64, 20.210, 21.413

■ 65, 26.156, 22.025

Harmonies

Complementary

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



55, 21.450, 197.379



41, 29.350, 23.932

Rectangle

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



55, 21.450, 197.379



55, 21.450, 247.379



55, 21.450, 17.379



55, 21.450, 67.379

Sweetspot

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



55, 21.450, 197.377



73, 9.220, 198.716



54, 43.982, 140.676



38, 6.309, 198.615



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



55, 21.450, 197.377



69, 30.065, 197.060



46, 20.886, 261.339



30, 3.069, 199.003



51, 31.268, 196.383



2, 2.121, 199.420

Inverse Universe

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



41, 29.350, 23.932



49, 44.603, 25.895



49, 24.017, 68.264



28, 3.246, 19.886



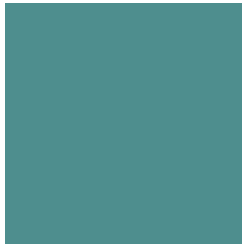
27, 64.131, 38.798



0, 2.121, 19.403

Previews

White Background



This preview shows how the CIELCh color 55, 21.450, 197.379 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, 21.450, 197.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

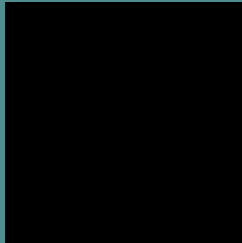
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 21.450, 197.379

Background



This preview shows how black text looks on a background with the CIELCh color 55, 21.450, 197.379.



This preview shows how white text looks on a background with the CIELCh color 55, 21.450, 197.379.

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, 21.450, 197.379

Protanopia

55, 2.996, 305.655

Deuteranopia

55, 11.103, 311.497



Tritanopia
55, 20.301, 215.987

Trichromacy



Original Color
55, 21.450, 197.379

Protanomaly
54, 8.459, 214.535

Deuteranomaly
54, 8.952, 249.798

Tritanomaly
55, 20.361, 209.079

Monochromacy



Original Color
55, 21.450, 197.379

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 8.708, 198.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 21.450, 197.379 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(78, 142, 142)` looks like.

```
.text, #text, p{  
    color:rgb(78, 142, 142)  
}
```

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(78, 142, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 142, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 21.450, 197.379 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(78, 142, 142) }
```

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

```
.border{ border-color:rgb(78, 142, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 142, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 142, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 142, 142);  
box-shadow:4px 4px 4px 4px rgb(78, 142,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 21.450, 197.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 142, 142) }
```

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

```
.background{ background-color: rgb(78, 142,  
142) }
```

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