

Converting Colors

CIELCh(55, 19.830, 197.520)

Have a look what the booklet for
CIELCh(55, 19.830, 197.520)
contains.

CIELCh(55, 19.830, 197.520)	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, 19.830, 197.520)

Conversions

Conversions Part 1

Format	Color
Hex	538D8D
RGB	83, 141, 141
RGB Percent	33%, 55%, 55%
CMY	0.6733, 0.4458, 0.4458
CMYK	0.41, 0.00, 0.00, 0.45
HSL	180°, 26%, 44%
HSV	180°, 41%, 55%
XYZ	17.9986, 22.9298, 28.8003
YIQ	123.6580, -34.5680, -12.2960

Conversions

Conversions Part 2

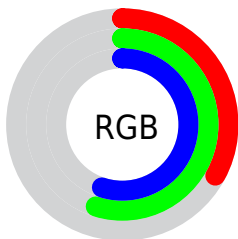
Format	Color
R_{YB}	83, 112, 141
Decimal	5475725
CIE _{Lab}	55.00, -18.91, -5.97
CIE _{LCh}	55, 19.830, 197.520
Yxy	22.9298, 0.2581, 0.3288
Android (android.graphics.Color)	4283665805 (0xFF538D8D)
YUV	123.6580, 8.5496, -35.6571
Hunter-Lab	47.8851, -16.7061, -2.1401

Details

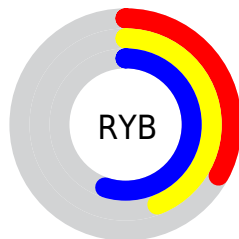
The CIELCh color **55, 19.830, 197.520** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **42, 26.286, 23.274**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 19.818, 197.922**, and **35, 19.919, 196.839** is the 20% darker color. If you saturate the color by 10%, you get **54, 23.477, 197.178**, and if you desaturate by 10%, it is **56, 15.636, 197.916**.

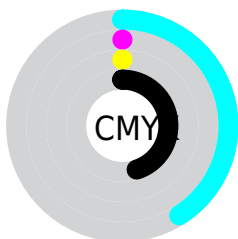
Distribution



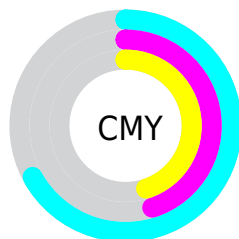
- Red (33%)
- Green (55%)
- Blue (55%)



- Red (33%)
- Yellow (44%)
- Blue (55%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (45%)





- Cyan (67%)
- Magenta (45%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 19.830, 197.520 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, 19.830, 197.520 by changing the saturation by 10% instead.


 55, 19.830,
197.520


 55, 19.830,
197.520


 100, 19.830,
197.520


 45, 19.830,
197.520


 75, 19.830,
197.520

 35, 19.830,
197.520

 85, 19.830,
197.520

 25, 19.830,
197.520

 95, 19.830,
197.520

 15, 19.830,
197.520

 5, 19.830, 197.520

 0, 19.830, 197.520

■ 55, 19.830,
197.520

■ 55, 19.830,
197.520

■ 54, 23.477,
197.178

■ 56, 15.636,
197.916

■ 54, 26.511,
196.899

■ 57, 10.973,
198.371

■ 54, 28.891,
196.683

■ 58, 5.924, 198.891

■ 53, 30.606,
196.529

■ 59, 0.571, 200.092

■ 60, 5.009, 19.813

■ 53, 31.683,
196.433

■ 61, 10.751, 20.436

■ 53, 32.299,
196.377

■ 63, 16.598, 21.044

■ 64, 22.503, 21.655

■ 66, 28.429, 22.267

Harmonies

Complementary

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



55, 19.830, 197.520



42, 26.286, 23.274

Rectangle

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



55, 19.830, 197.520



55, 19.830, 247.520



55, 19.830, 17.520



55, 19.830, 67.520

Sweetspot

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



55, 19.830, 197.517



73, 7.946, 198.823



54, 40.073, 141.062



38, 5.237, 198.763



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, 19.830, 197.517



69, 28.052, 197.209



47, 19.024, 260.380



30, 3.069, 199.000



51, 31.269, 196.377



2, 2.121, 199.417

Inverse Universe

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



42, 26.286, 23.274



51, 39.932, 24.834



49, 21.576, 68.744



28, 3.246, 19.883



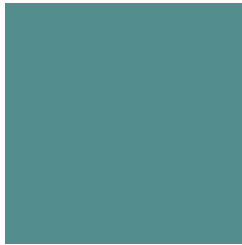
27, 64.129, 38.796



0, 2.121, 19.400

Previews

White Background



This preview shows how the CIELCh color 55, 19.830, 197.520 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, 19.830, 197.520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

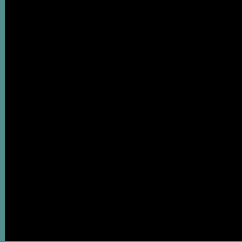
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 19.830, 197.520

Background



This preview shows how black text looks on a background with the CIELCh color 55, 19.830, 197.520.



This preview shows how white text looks on a background with the CIELCh color 55, 19.830, 197.520.

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, 19.830, 197.520

Protanopia
55, 2.996, 305.655

Deuteranopia
55, 10.714, 314.500



Tritanopia
55, 18.790, 217.658

Trichromacy



Original Color
55, 19.830, 197.520

Protanomaly
54, 7.666, 211.794

Deuteranomaly
54, 8.082, 250.896

Tritanomaly
55, 18.783, 210.201

Monochromacy



Original Color
55, 19.830, 197.520

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 7.986, 198.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 19.830, 197.520 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(83, 141, 141)` looks like.

```
.text, #text, p{  
    color:rgb(83, 141, 141)  
}
```

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(83, 141, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 141, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 19.830, 197.520 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(83, 141, 141) }
```

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

```
.border{ border-color:rgb(83, 141, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 141, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 141, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 141, 141);  
box-shadow:4px 4px 4px 4px rgb(83, 141,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 19.830, 197.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 141, 141) }
```

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

```
.background{ background-color: rgb(83, 141,  
141) }
```

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](#).

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