

Converting Colors

CIELCh(55, 20.484, 199.094)

Have a look what the booklet for
CIELCh(55, 20.484, 199.094)
contains.

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Color

CIELCh(55, 20.564, 199.086)

Conversions

Conversions Part 1

Format	Color
Hex	518E8F
RGB	81, 142, 143
RGB Percent	32%, 56%, 56%
CMY	0.6839, 0.4447, 0.4408
CMYK	0.43, 0.01, 0.00, 0.44
HSL	181°, 28%, 44%
HSV	181°, 43%, 56%
XYZ	17.9003, 22.9298, 29.3111
YIQ	123.8750, -36.6770, -12.6210

Conversions

Conversions Part 2

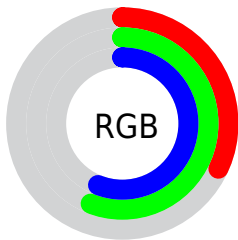
Format	Color
R _Y B	81, 112, 143
Decimal	5344911
CIE Lab	55.00, -19.43, -6.72
CIE LCh	55, 20.564, 199.086
Yxy	22.9298, 0.2552, 0.3269
Android (android.graphics.Color)	4283534991 (0xFF518E8F)
YUV	123.8750, 9.4286, -37.6014
Hunter-Lab	47.8851, -17.0724, -2.7726

Details

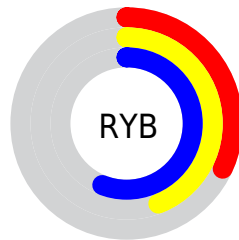
The CIELCh color `55, 20.564, 199.086` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `42, 27.889, 24.749`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `75, 20.628, 199.385`, and `35, 20.394, 200.363` is the 20% darker color. If you saturate the color by 10%, you get `54, 24.021, 198.855`, and if you desaturate by 10%, it is `56, 16.543, 199.387`.

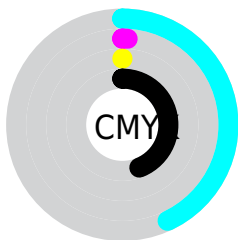
Distribution



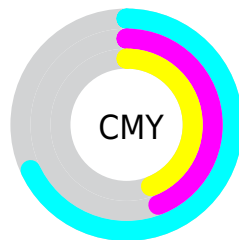
- Red (32%)
- Green (56%)
- Blue (56%)



- Red (32%)
- Yellow (44%)
- Blue (56%)



- Cyan (43%)
- Magenta (1%)
- Yellow (0%)
- Black (44%)





- Cyan (68%)
- Magenta (44%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 20.564, 199.086 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, 20.564, 199.086 by changing the saturation by 10% instead.

 55, 20.564,
199.086


 55, 20.564,
199.086


 100, 20.564,
199.086


 45, 20.564,
199.086


 75, 20.564,
199.086

 35, 20.564,
199.086

 85, 20.564,
199.086

 25, 20.564,
199.086

 95, 20.564,
199.086

 15, 20.564,
199.086

 5, 20.564, 199.086

 0, 20.564, 199.086

■ 55, 20.564,
199.086

■ 55, 20.564,
199.086

■ 54, 24.021,
198.855

■ 56, 16.543,
199.387

■ 54, 26.852,
198.706

■ 57, 12.033,
199.758

■ 53, 29.021,
198.643

■ 58, 7.119, 200.200

■ 53, 30.522,
198.667

■ 59, 1.882, 200.831

■ 53, 31.393,
198.778

■ 60, 3.601, 20.982

■ 53, 31.792,
198.873

■ 61, 9.262, 21.583

■ 63, 15.043, 22.149

■ 64, 20.897, 22.719

■ 66, 26.785, 23.294

Harmonies

Complementary

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



55, 20.564, 199.086



42, 27.889, 24.749

Rectangle

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



55, 20.564, 199.086



55, 20.564, 249.086



55, 20.564, 19.086



55, 20.564, 69.086

Sweetspot

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



55, 20.564, 199.084



74, 8.539, 200.210



54, 42.870, 141.182



39, 5.989, 200.114



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, 20.564, 199.084



70, 29.089, 198.862



46, 20.635, 262.853



30, 3.019, 200.421



50, 30.579, 198.860



2, 2.087, 200.788

Inverse Universe

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



44, 42.302, 327.140



53, 61.736, 327.581



49, 23.293, 70.149



28, 5.548, 325.341



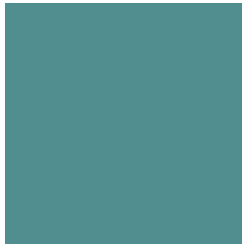
31, 71.222, 328.866



1, 3.726, 324.869

Previews

White Background



This preview shows how the CIE LCh color 55, 20.564, 199.086 looks on a white background.

Color Contrast Check

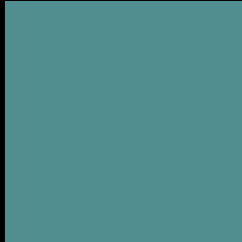
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.564, 199.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

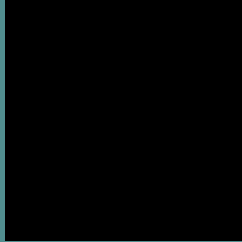
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 20.564, 199.086

Background



This preview shows how black text looks on a background with the CIELCh color 55, 20.564, 199.086.

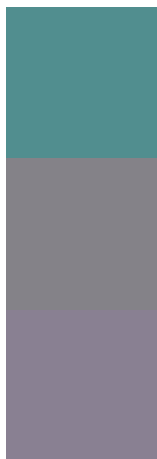


This preview shows how white text looks on a background with the CIELCh color 55, 20.564, 199.086.

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, 20.564, 199.086

Protanopia

55, 3.554, 303.267

Deuteranopia

55, 10.961, 309.603



Tritanopia
55, 19.653, 218.507

Trichromacy



Original Color
55, 20.564, 199.086

Protanomaly
54, 8.118, 215.250

Deuteranomaly
55, 9.171, 248.057

Tritanomaly
55, 19.873, 211.140

Monochromacy



Original Color
55, 20.564, 199.086

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 8.348, 198.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 20.564, 199.086 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(81, 142, 143)` looks like.

```
.text, #text, p{  
    color:rgb(81, 142, 143)  
}
```

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(81, 142, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 142, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 20.564, 199.086 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(81, 142, 143) }
```

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

```
.border{ border-color:rgb(81, 142, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 142, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 142, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 142, 143);  
box-shadow:4px 4px 4px 4px rgb(81, 142,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 20.564, 199.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 142, 143) }
```

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

```
.background{ background-color: rgb(81, 142,  
143) }
```

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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