

Converting Colors

CIELCh(56, 24.747, 200.317)

Have a look what the booklet for
CIELCh(56, 24.747, 200.317)
contains.

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Color

CIELCh(56, 24.688, 199.832)

Conversions

Conversions Part 1

Format	Color
Hex	449294
RGB	68, 146, 148
RGB Percent	27%, 57%, 58%
CMY	0.7335, 0.4276, 0.4197
CMYK	0.54, 0.01, 0.00, 0.42
HSL	181°, 37%, 42%
HSV	181°, 54%, 58%
XYZ	17.9980, 23.9124, 31.6703
YIQ	122.9060, -47.1300, -15.9140

Conversions

Conversions Part 2

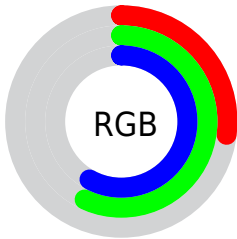
Format	Color
R_{YB}	68, 107, 148
Decimal	4493972
CIE _{Lab}	56.00, -23.22, -8.38
CIE _{LCh}	56, 24.688, 199.832
Y _{xy}	23.9124, 0.2446, 0.3250
Android (android.graphics.Color)	4282684052 (0xFF449294)
Y _{UV}	122.9060, 12.3713, -48.1526
Hunter-Lab	48.9003, -19.8779, -4.1689

Details

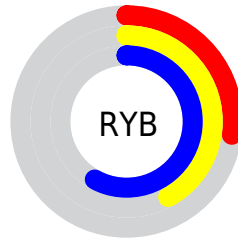
The CIELCh color **56, 24.688, 199.832** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **40, 36.667, 27.211**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 24.712, 200.125**, and **36, 24.023, 199.453** is the 20% darker color. If you saturate the color by 10%, you get **55, 27.519, 199.754**, and if you desaturate by 10%, it is **57, 21.208, 199.998**.

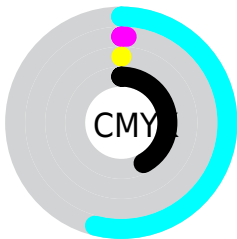
Distribution



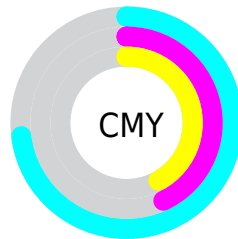
- Red (27%)
- Green (57%)
- Blue (58%)



- Red (27%)
- Yellow (42%)
- Blue (58%)



- Cyan (54%)
- Magenta (1%)
- Yellow (0%)
- Black (42%)





- Cyan (73%)
- Magenta (43%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 24.688, 199.832 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 56, 24.688, 199.832 by changing the saturation by 10% instead.


 56, 24.688,
199.832


 56, 24.688,
199.832


 100, 24.688,
199.832


 46, 24.688,
199.832


 76, 24.688,
199.832

 36, 24.688,
199.832

 86, 24.688,
199.832

 26, 24.688,
199.832

 96, 24.688,
199.832

 16, 24.688,
199.832

 6, 24.688, 199.832

 0, 24.688, 199.832

■ 56, 24.688,
199.832

■ 56, 24.688,
199.832

■ 55, 27.519,
199.754

■ 57, 21.208,
199.998

■ 55, 29.666,
199.778

■ 58, 17.142,
200.250

■ 55, 31.124,
199.907

■ 59, 12.570,
200.578

■ 54, 31.937,
200.141

■ 60, 7.576, 200.981

■ 54, 32.273,
200.303

■ 61, 2.245, 201.551

■ 62, 3.345, 21.692

■ 64, 9.121, 22.278

■ 65, 15.026, 22.823

■ 67, 21.010, 23.372

Harmonies

Complementary

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



56, 24.688, 199.832



40, 36.667, 27.211

Rectangle

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



56, 24.688, 199.832



56, 24.688, 249.832



56, 24.688, 19.832



56, 24.688, 69.832

Sweetspot

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



56, 24.688, 199.830



75, 10.555, 200.883



55, 53.443, 140.471



39, 7.144, 200.806



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



56, 24.688, 199.830



70, 33.911, 199.751



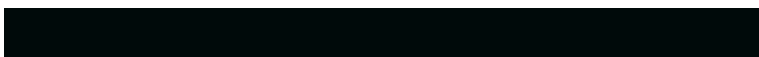
44, 26.783, 267.510



31, 3.080, 201.215



51, 30.633, 200.277



2, 2.758, 201.557

Inverse Universe

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



42, 52.769, 327.896



50, 75.108, 328.390



49, 30.692, 70.447



29, 5.678, 325.586



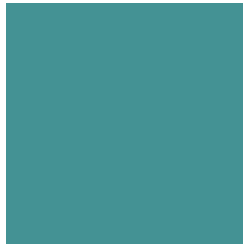
32, 71.706, 329.225



1, 4.939, 325.110

Previews

White Background



This preview shows how the CIE LCh color 56, 24.688, 199.832 looks on a white background.

Color Contrast Check

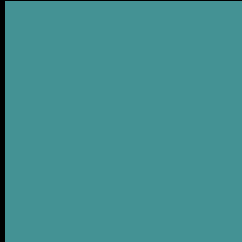
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 24.688, 199.832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

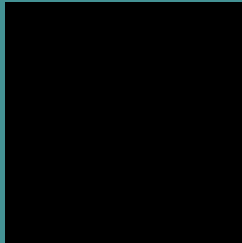
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 24.688, 199.832

Background



This preview shows how black text looks on a background with the CIELCh color 56, 24.688, 199.832.

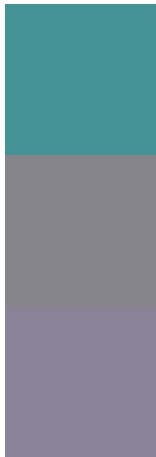


This preview shows how white text looks on a background with the CIELCh color 56, 24.688, 199.832.

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


56, 24.688, 199.832

Protanopia

56, 4.040, 296.153

Deuteranopia

56, 12.474, 305.525



Tritanopia
56, 23.564, 213.064

Trichromacy



Original Color
56, 24.688, 199.832

Protanomaly
56, 10.540, 214.356

Deuteranomaly
55, 11.327, 244.239

Tritanomaly
56, 23.727, 208.569

Monochromacy



Original Color
56, 24.688, 199.832

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 10.432, 201.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 24.688, 199.832 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(68, 146, 148)` looks like.

```
.text, #text, p{  
    color:rgb(68, 146, 148)  
}
```

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(68, 146, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 146, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 24.688, 199.832 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(68, 146, 148) }
```

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

```
.border{ border-color:rgb(68, 146, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 146, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 146, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 146, 148);  
box-shadow:4px 4px 4px 4px rgb(68, 146,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 24.688, 199.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 146, 148) }
```

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

```
.background{ background-color: rgb(68, 146,  
148) }
```

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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