

Converting Colors

CIELCh(56, 29.520, 198.523)

Have a look what the booklet for
CIELCh(56, 29.520, 198.523)
contains.

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Color

CIELCh(56, 29.524, 198.990)

Conversions

Conversions Part 1

Format	Color
Hex	2C9496
RGB	44, 148, 150
RGB Percent	17%, 58%, 59%
CMY	0.8275, 0.4196, 0.4118
CMYK	0.71, 0.01, 0.00, 0.41
HSL	181°, 55%, 38%
HSV	181°, 71%, 59%
XYZ	17.1297, 23.9124, 32.5615
YIQ	117.1320, -62.6260, -21.4260

Conversions

Conversions Part 2

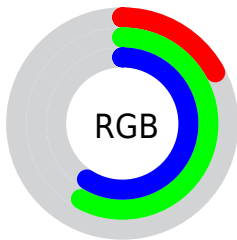
Format	Color
RYB	44, 96, 150
Decimal	2921622
CIELab	56.00, -27.92, -9.61
CIELCh	56, 29.524, 198.990
Yxy	23.9124, 0.2327, 0.3249
Android (android.graphics.Color)	4281111702 (0xFF2C9496)
YUV	117.1320, 16.2039, -64.1368
Hunter-Lab	48.9003, -23.0473, -5.2495

Details

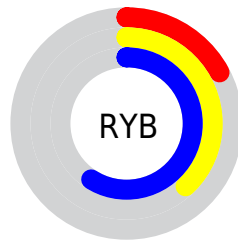
The CIELCh color **56, 29.524, 198.990** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **35, 50.432, 30.957**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 29.407, 199.401**, and **37, 24.380, 199.397** is the 20% darker color. If you saturate the color by 10%, you get **56, 31.248, 199.019**, and if you desaturate by 10%, it is **56, 27.099, 199.051**.

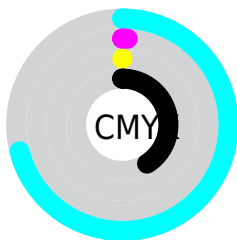
Distribution



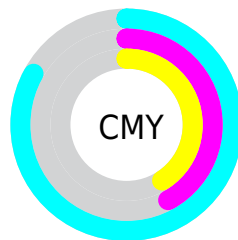
- Red (17%)
- Green (58%)
- Blue (59%)



- Red (17%)
- Yellow (38%)
- Blue (59%)



- Cyan (71%)
- Magenta (1%)
- Yellow (0%)
- Black (41%)





- Cyan (83%)
- Magenta (42%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 29.524, 198.990 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, 29.524, 198.990 by changing the saturation by 10% instead.


 56, 29.524,
198.990


 56, 29.524,
198.990


 100, 29.524,
198.990


 46, 29.524,
198.990


 76, 29.524,
198.990

 36, 29.524,
198.990

 86, 29.524,
198.990

 26, 29.524,
198.990

 96, 29.524,
198.990

 16, 29.524,
198.990

 6, 29.524, 198.990

 0, 29.524, 198.990

■ 56, 29.524,
198.990

■ 56, 29.524,
198.990

■ 56, 31.248,
199.019

■ 56, 27.099,
199.051

■ 55, 32.298,
199.143

■ 57, 23.988,
199.203

■ 55, 32.861,
199.318

■ 58, 20.237,
199.436

■ 59, 15.916,
199.746

■ 60, 11.109,
200.126

■ 61, 5.902, 200.583

■ 62, 0.381, 202.150

■ 63, 5.377, 21.393

Harmonies

Complementary

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



56, 29.524, 198.990



35, 50.432, 30.957

Rectangle

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



56, 29.524, 198.990



56, 29.524, 248.990



56, 29.524, 18.990



56, 29.524, 68.990

Sweetspot

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



56, 29.524, 198.989



75, 13.873, 200.095



55, 67.330, 138.578



39, 9.287, 199.997



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, 29.524, 198.989



70, 38.619, 199.082



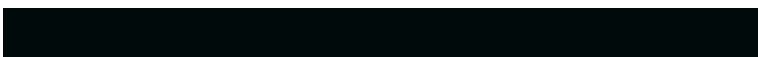
40, 35.054, 272.935



31, 3.099, 200.662



51, 30.882, 199.295



2, 2.775, 201.023

Inverse Universe

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



39, 65.948, 328.344



47, 88.898, 328.763



46, 41.563, 68.175



29, 5.702, 325.418



32, 72.043, 328.977



1, 4.959, 324.943

Previews

White Background



This preview shows how the CIE LCh color 56, 29.524, 198.990 looks on a white background.

Color Contrast Check

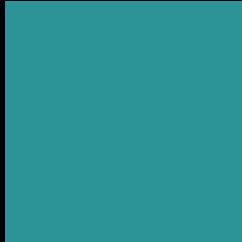
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.524, 198.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

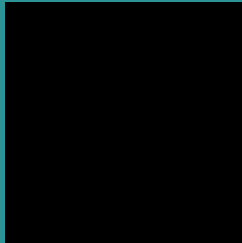
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 29.524, 198.990

Background



This preview shows how black text looks on a background with the CIELCh color 56, 29.524, 198.990.

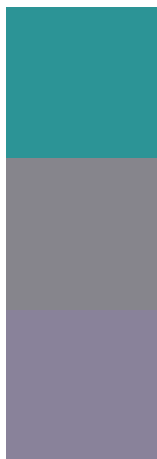


This preview shows how white text looks on a background with the CIELCh color 56, 29.524, 198.990.

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, 29.524, 198.990

Protanopia

56, 4.040, 296.153

Deuteranopia

56, 14.069, 302.441



Tritanopia
56, 28.016, 211.391

Trichromacy



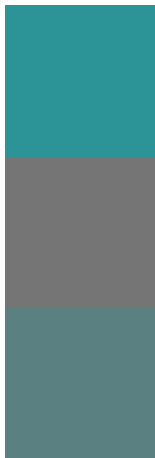
Original Color
56, 29.524, 198.990

Protanomaly
55, 13.505, 213.095

Deuteranomaly
55, 14.659, 237.588

Tritanomaly
56, 28.356, 207.533

Monochromacy



Original Color
56, 29.524, 198.990

Achromatopsia
49, 0.007, 296.813

Achromatomaly
51, 13.815, 200.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 29.524, 198.990 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(44, 148, 150)` looks like.

```
.text, #text, p{  
    color:rgb(44, 148, 150)  
}
```

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(44, 148, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 148, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 29.524, 198.990 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(44, 148, 150) }
```

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

```
.border{ border-color:rgb(44, 148, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 148, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 148, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 148, 150);  
box-shadow:4px 4px 4px 4px rgb(44, 148,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 29.524, 198.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 148, 150) }
```

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

```
.background{ background-color: rgb(44, 148,  
150) }
```

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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