

Converting Colors

CIELCh(56, 31.429, 223.117)

Have a look what the booklet for
CIELCh(56, 31.429, 223.117)
contains.

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Color

CIELCh(56, 31.448, 223.303)

Conversions

Conversions Part 1

Format	Color
Hex	1693AB
RGB	22, 147, 171
RGB Percent	9%, 58%, 67%
CMY	0.9154, 0.4242, 0.3301
CMYK	0.87, 0.14, 0.00, 0.33
HSL	190°, 78%, 38%
HSV	190°, 87%, 67%
XYZ	18.0616, 23.9124, 42.1026
YIQ	112.3610, -82.2040, -19.0360

Conversions

Conversions Part 2

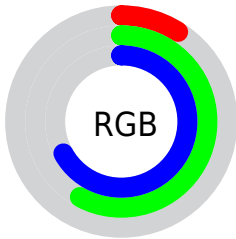
Format	Color
R_{YB}	22, 90, 171
Decimal	1479595
CIE _{Lab}	56.00, -22.89, -21.57
CIE _{LCh}	56, 31.448, 223.303
Y _{xy}	23.9124, 0.2148, 0.2844
Android (android.graphics.Color)	4279669675 (0xFF1693AB)
YUV	112.3610, 28.9090, -79.2466
Hunter-Lab	48.9003, -19.6457, -16.8178

Details

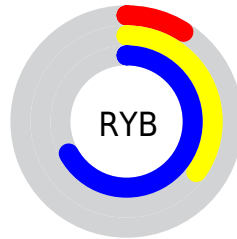
The CIELCh color **56, 31.448, 223.303** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **39, 65.876, 41.119**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 31.390, 223.206**, and **37, 24.872, 232.512** is the 20% darker color. If you saturate the color by 10%, you get **55, 32.100, 226.049**, and if you desaturate by 10%, it is **57, 30.225, 221.048**.

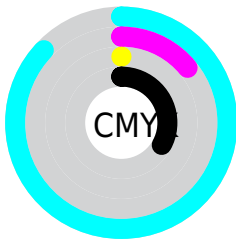
Distribution



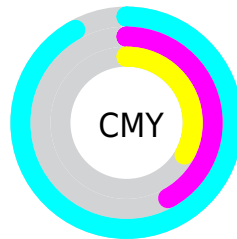
- Red (9%)
- Green (58%)
- Blue (67%)



- Red (9%)
- Yellow (35%)
- Blue (67%)



- Cyan (87%)
- Magenta (14%)
- Yellow (0%)
- Black (33%)





- Cyan (92%)
- Magenta (42%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 31.448, 223.303 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, 31.448, 223.303 by changing the saturation by 10% instead.


 56, 31.448,
223.303


 56, 31.448,
223.303


 100, 31.448,
223.303


 46, 31.448,
223.303


 76, 31.448,
223.303

 36, 31.448,
223.303

 86, 31.448,
223.303

 26, 31.448,
223.303

 96, 31.448,
223.303

 16, 31.448,
223.303

 6, 31.448, 223.303

 0, 31.448, 223.303

■ 56, 31.448,
223.303

■ 56, 31.448,
223.303

■ 55, 32.100,
226.049

■ 57, 30.225,
221.048

■ 55, 32.249,
226.795

■ 58, 28.323,
219.272

■ 60, 25.720,
217.907

■ 61, 22.444,
216.887

■ 63, 18.558,
216.150

■ 65, 14.139,
215.645

■ 66, 9.272, 215.332

■ 68, 4.042, 215.214

Harmonies

Complementary

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



56, 31.448, 223.303



39, 65.876, 41.119

Rectangle

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



56, 31.448, 223.303



56, 31.448, 273.303



56, 31.448, 43.303



56, 31.448, 93.303

Sweetspot

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



56, 31.447, 223.303



82, 16.667, 215.610



61, 79.717, 139.341



43, 11.251, 215.750



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



56, 31.447, 223.303



70, 39.191, 227.412



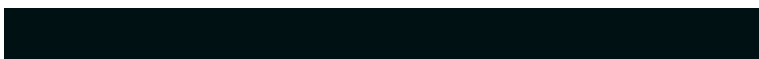
34, 60.477, 290.897



35, 3.052, 215.215



48, 29.011, 226.391



4, 5.532, 221.080

Inverse Universe

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



40, 73.611, 334.827



51, 91.620, 335.969



54, 56.956, 77.120



33, 5.753, 329.717



33, 68.054, 335.706



2, 10.051, 331.005

Previews

White Background



This preview shows how the CIELCh color 56, 31.448, 223.303 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, 31.448, 223.303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

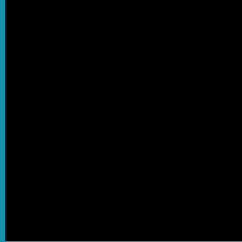
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 31.448, 223.303

Background



This preview shows how black text looks on a background with the CIELCh color 56, 31.448, 223.303.

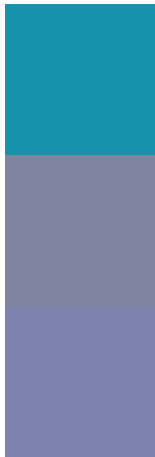


This preview shows how white text looks on a background with the CIELCh color 56, 31.448, 223.303.

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, 31.448, 223.303

Protanopia

56, 16.684, 286.016

Deuteranopia

56, 24.708, 287.567



Tritanopia
56, 32.226, 209.142

Trichromacy



Original Color
56, 31.448, 223.303



Protanomaly
55, 21.627, 246.954



Deuteranomaly
55, 25.066, 254.737



Tritanomaly
56, 31.846, 213.726

Monochromacy



Original Color
56, 31.448, 223.303



Achromatopsia
47, 0.006, 296.813



Achromatomaly
50, 16.390, 214.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 31.448, 223.303 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(22, 147, 171)` looks like.

```
.text, #text, p{  
    color:rgb(22, 147, 171)  
}
```

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(22, 147, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 147, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 31.448, 223.303 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(22, 147, 171) }
```

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

```
.border{ border-color:rgb(22, 147, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 147, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 147, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 147, 171);  
box-shadow:4px 4px 4px 4px rgb(22, 147,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 31.448, 223.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 147, 171) }
```

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

```
.background{ background-color: rgb(22, 147,  
171) }
```

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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