

Converting Colors

CIELCh(52, 28.115, 203.785)

Have a look what the booklet for
CIELCh(52, 28.115, 203.785)
contains.

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Color

CIELCh(52, 28.198, 203.956)

Conversions

Conversions Part 1

Format	Color
Hex	23898F
RGB	35, 137, 143
RGB Percent	14%, 54%, 56%
CMY	0.8643, 0.4637, 0.4402
CMYK	0.76, 0.04, 0.00, 0.44
HSL	183°, 61%, 35%
HSV	183°, 76%, 56%
XYZ	14.5276, 20.1443, 29.0076
YIQ	107.1860, -62.7180, -19.7580

Conversions

Conversions Part 2

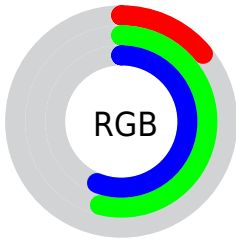
Format	Color
R_{YB}	35, 87, 143
Decimal	2328975
CIE _{Lab}	52.00, -25.77, -11.45
CIE _{LCh}	52, 28.198, 203.956
Yxy	20.1443, 0.2281, 0.3163
Android (android.graphics.Color)	4280519055 (0xFF23898F)
YUV	107.1860, 17.6563, -63.3071
Hunter-Lab	44.8824, -20.7672, -6.9016




Details

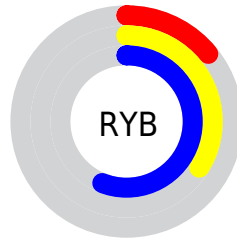
The CIELCh color **52, 28.198, 203.956** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **33, 51.234, 33.931**, and the grayscale version is **45, 0.006, 296.813**.




A 20% lighter version of the original color is **72, 28.154, 204.055**, and **33, 22.166, 206.551** is the 20% darker color. If you saturate the color by 10%, you get **52, 29.432, 204.471**, and if you desaturate by 10%, it is **53, 26.305, 203.608**.

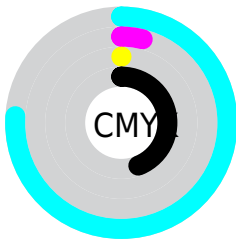
Distribution







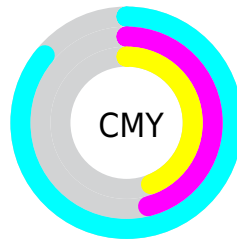
-  Red (14%)
-  Green (54%)
-  Blue (56%)






-  Red (14%)
-  Yellow (34%)
-  Blue (56%)



-  Cyan (76%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (44%)





-  Cyan (86%)
-  Magenta (46%)
-  Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 28.198, 203.956 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 52, 28.198, 203.956 by changing the saturation by 10% instead.


 52, 28.198,
203.956


 52, 28.198,
203.956


 100, 28.198,
203.956


 42, 28.198,
203.956


 72, 28.198,
203.956

 32, 28.198,
203.956

 82, 28.198,
203.956

 22, 28.198,
203.956

 92, 28.198,
203.956

 12, 28.198,
203.956

 2, 28.198, 203.956

 0, 28.198, 203.956

■ 52, 28.198,
203.956

■ 52, 28.198,
203.956

■ 52, 29.432,
204.471

■ 53, 26.305,
203.608

■ 51, 30.074,
205.158

■ 53, 23.754,
203.414

■ 51, 30.286,
205.465

■ 54, 20.578,
203.356

■ 55, 16.837,
203.417

■ 56, 12.603,
203.582

■ 57, 7.959, 203.841

■ 59, 2.983, 204.238

■ 60, 2.250, 24.260

Harmonies

Complementary

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



52, 28.198, 203.956



33, 51.234, 33.931

Rectangle

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



52, 28.198, 203.956



52, 28.198, 253.956



52, 28.198, 23.956



52, 28.198, 73.956

Sweetspot

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



52, 28.198, 203.955



72, 14.088, 203.632



52, 66.785, 138.763



38, 9.717, 203.561



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



52, 28.198, 203.955



66, 36.400, 204.952



35, 38.018, 278.029



30, 2.905, 204.072



48, 29.116, 205.416



2, 2.008, 204.310

Inverse Universe

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



36, 64.628, 329.761



44, 85.778, 330.319



44, 43.028, 70.516



28, 5.400, 326.440



31, 69.110, 330.507



1, 3.627, 325.961

Previews

White Background



This preview shows how the CIELCh color 52, 28.198, 203.956 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 52, 28.198, 203.956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

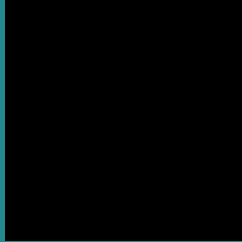
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 28.198, 203.956

Background



This preview shows how black text looks on a background with the CIELCh color 52, 28.198, 203.956.

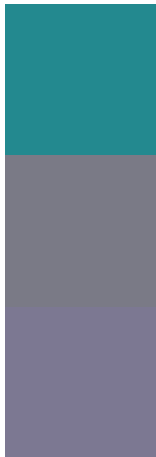


This preview shows how white text looks on a background with the CIELCh color 52, 28.198, 203.956.

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
52, 28.198, 203.956

Protanopia
52, 6.986, 291.068

Deuteranopia
52, 15.252, 297.639



Tritanopia
52, 27.413, 210.578

Trichromacy



Original Color
52, 28.198, 203.956

Protanomaly
51, 14.089, 222.845

Deuteranomaly
51, 15.978, 242.740

Tritanomaly
52, 27.586, 207.935

Monochromacy



Original Color
52, 28.198, 203.956

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 13.538, 203.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 28.198, 203.956 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(35, 137, 143)` looks like.

```
.text, #text, p{  
    color:rgb(35, 137, 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(35, 137, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 137, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 28.198, 203.956 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(35, 137, 143) }
```

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

```
.border{ border-color:rgb(35, 137, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 137, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 137, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 137, 143);  
box-shadow:4px 4px 4px 4px rgb(35, 137,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 28.198, 203.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 137, 143) }
```

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

```
.background{ background-color: rgb(35, 137,  
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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