

Converting Colors

CIELCh(52, 10.888, 198.171)

Have a look what the booklet for
CIELCh(52, 10.888, 198.171)
contains.

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Color

CIELCh(52, 10.836, 198.316)

Conversions

Conversions Part 1

Format	Color
Hex	648181
RGB	100, 129, 129
RGB Percent	39%, 51%, 51%
CMY	0.6062, 0.4924, 0.4924
CMYK	0.22, 0.00, 0.00, 0.49
HSL	180°, 13%, 45%
HSV	180°, 22%, 51%
XYZ	17.2005, 20.1443, 23.9010
YIQ	120.3290, -17.2840, -6.1480

Conversions

Conversions Part 2

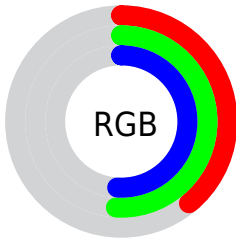
Format	Color
R_{YB}	100, 115, 129
Decimal	6586753
CIE _{Lab}	52.00, -10.29, -3.41
CIE _{LCh}	52, 10.836, 198.316
Yxy	20.1443, 0.2808, 0.3289
Android (android.graphics.Color)	4284776833 (0xFF648181)
YUV	120.3290, 4.2748, -17.8285
Hunter-Lab	44.8824, -10.1367, -0.1557

Details

The CIELCh color $52, 10.836, 198.316$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $45, 12.496, 20.975$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 10.702, 198.586$, and $32, 10.962, 197.850$ is the 20% darker color. If you saturate the color by 10%, you get $51, 15.130, 197.866$, and if you desaturate by 10%, it is $53, 6.178, 198.817$.

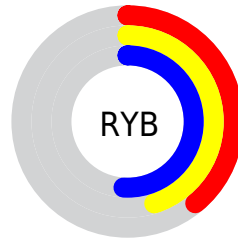
Distribution



Red (39%)

Green (51%)

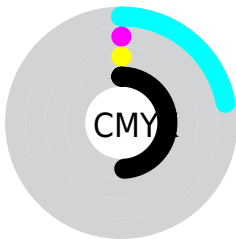
Blue (51%)



Red (39%)

Yellow (45%)

Blue (51%)

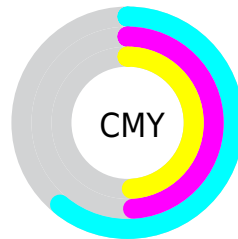


Cyan (22%)

Magenta (0%)

Yellow (0%)

Black (49%)



Cyan (61%)


Magenta (49%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 10.836, 198.316 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, 10.836, 198.316 by changing the saturation by 10% instead.


 52, 10.836,
198.316


 52, 10.836,
198.316


 100, 10.836,
198.316


 42, 10.836,
198.316


 72, 10.836,
198.316

 32, 10.836,
198.316

 82, 10.836,
198.316

 22, 10.836,
198.316

 92, 10.836,
198.316

 12, 10.836,
198.316

 2, 10.836, 198.316

 0, 10.836, 198.316

■ 52, 10.836,
198.316

■ 52, 10.836,
198.316

■ 51, 15.130,
197.866

■ 53, 6.178, 198.817

■ 51, 18.982,
197.476

■ 54, 1.230, 199.594

■ 55, 3.938, 19.713

■ 50, 22.322,
197.145

■ 56, 9.263, 20.341

■ 50, 25.092,
196.874

■ 57, 14.692, 20.944

■ 59, 20.180, 21.549

■ 49, 27.256,
196.665

■ 60, 25.694, 22.156

■ 49, 28.807,
196.516

■ 62, 31.205, 22.762

■ 63, 36.694, 23.364

■ 49, 29.773,
196.424

■ 49, 30.307,

Harmonies

Complementary

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



52, 10.836, 198.316



45, 12.496, 20.975

Rectangle

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



52, 10.836, 198.316



52, 10.836, 248.316



52, 10.836, 18.316



52, 10.836, 68.316

Sweetspot

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



52, 10.836, 198.311



68, 4.373, 199.130



51, 20.510, 142.634



35, 2.825, 199.101



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



52, 10.836, 198.311



66, 15.898, 198.072



48, 9.829, 256.699



26, 2.793, 199.008



48, 29.980, 196.372



0, 0.000, 0.000

Inverse Universe

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



45, 12.496, 20.975



56, 19.017, 21.501



49, 10.472, 70.968



25, 2.951, 19.867



25, 61.098, 38.343



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 52, 10.836, 198.316 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, 10.836, 198.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

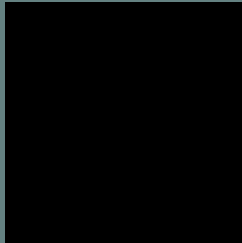
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 10.836, 198.316

Background



This preview shows how black text looks on a background with the CIELCh color 52, 10.836, 198.316.



This preview shows how white text looks on a background with the CIELCh color 52, 10.836, 198.316.

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, 10.836, 198.316

Protanopia
52, 1.930, 314.700

Deuteranopia
52, 7.998, 327.247



Tritanopia
52, 10.924, 230.904

Trichromacy



Original Color
52, 10.836, 198.316

Protanomaly
52, 3.670, 217.654

Deuteranomaly
52, 4.133, 279.857

Tritanomaly
52, 10.734, 217.496

Monochromacy



Original Color
52, 10.836, 198.316

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 3.916, 199.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 10.836, 198.316 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(100, 129, 129)` looks like.

```
.text, #text, p{  
    color:rgb(100, 129, 129)  
}
```

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(100, 129, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 129, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 10.836, 198.316 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(100, 129, 129) }
```

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

```
.border{ border-color:rgb(100, 129, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 129, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 129, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 129, 129);  
box-shadow:4px 4px 4px 4px rgb(100, 129,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 10.836, 198.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 129, 129) }
```

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

```
.background{ background-color: rgb(100,  
129, 129) }
```

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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