

Converting Colors

CIELCh(52, 19.868, 197.990)

Have a look what the booklet for
CIELCh(52, 19.868, 197.990)
contains.

CIELCh(52, 20.107, 197.423)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(52, 20.107, 197.423)

Conversions

Conversions Part 1

Format	Color
Hex	4B8686
RGB	75, 134, 134
RGB Percent	29%, 53%, 53%
CMY	0.7073, 0.4759, 0.4759
CMYK	0.44, 0.00, 0.00, 0.48
HSL	180°, 28%, 41%
HSV	180°, 44%, 52%
XYZ	15.6277, 20.1443, 25.4892
YIQ	116.3590, -35.1640, -12.5080

Conversions

Conversions Part 2

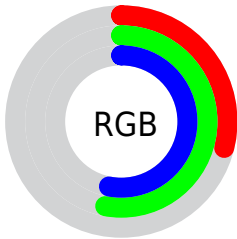
Format	Color
R_{YB}	75, 105, 134
Decimal	4949638
CIE _{Lab}	52.00, -19.18, -6.02
CIE _{LCh}	52, 20.107, 197.423
Yxy	20.1443, 0.2551, 0.3288
Android (android.graphics.Color)	4283139718 (0xFF4B8686)
YUV	116.3590, 8.6970, -36.2718
Hunter-Lab	44.8824, -16.3921, -2.2537

Details

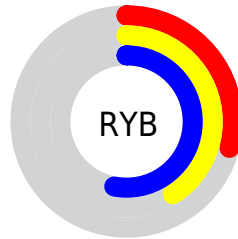
The CIELCh color **52, 20.107, 197.423** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **39, 27.263, 23.740**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 19.879, 197.870**, and **32, 20.090, 196.677** is the 20% darker color. If you saturate the color by 10%, you get **51, 23.429, 197.100**, and if you desaturate by 10%, it is **53, 16.245, 197.800**.

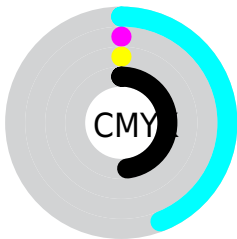
Distribution



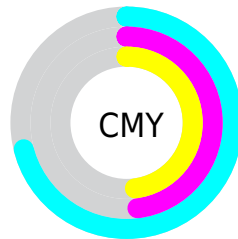
- Red (29%)
- Green (53%)
- Blue (53%)



- Red (29%)
- Yellow (41%)
- Blue (53%)



- Cyan (44%)
- Magenta (0%)
- Yellow (0%)
- Black (48%)





- Cyan (71%)
- Magenta (48%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 20.107, 197.423 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, 20.107, 197.423 by changing the saturation by 10% instead.


 52, 20.107,
197.423


 52, 20.107,
197.423

 100, 20.107,
197.423


 42, 20.107,
197.423


 72, 20.107,
197.423

 32, 20.107,
197.423

 82, 20.107,
197.423

 22, 20.107,
197.423

 92, 20.107,
197.423

 12, 20.107,
197.423

 2, 20.107, 197.423

 0, 20.107, 197.423

■ 52, 20.107,
197.423

■ 52, 20.107,
197.423

■ 51, 23.429,
197.100

■ 53, 16.245,
197.800

■ 51, 26.155,
196.841

■ 53, 11.915,
198.236

■ 51, 28.254,
196.644

■ 54, 7.194, 198.730

■ 50, 29.723,
196.507

■ 55, 2.161, 199.374

■ 50, 30.608,
196.425

■ 56, 3.110, 19.596

■ 50, 31.014,
196.388

■ 58, 8.552, 20.248

■ 59, 14.111, 20.853

■ 60, 19.738, 21.459

■ 62, 25.397, 22.067

Harmonies

Complementary

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



52, 20.107, 197.423



39, 27.263, 23.740

Rectangle

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



52, 20.107, 197.423



52, 20.107, 247.423



52, 20.107, 17.423



52, 20.107, 67.423

Sweetspot

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



52, 20.107, 197.421



69, 8.195, 198.777



51, 41.260, 141.141



36, 5.680, 198.674



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



52, 20.107, 197.421



66, 28.363, 197.099



43, 19.863, 262.951



28, 2.886, 199.013



49, 30.409, 196.388



1, 0.707, 199.423

Inverse Universe

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



41, 41.148, 326.700



49, 59.917, 327.138



46, 22.450, 70.099



26, 5.272, 324.901



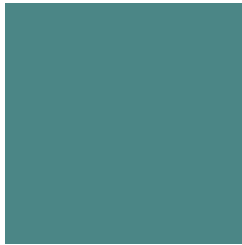
30, 70.124, 328.233



0, 1.256, 324.439

Previews

White Background



This preview shows how the CIELCh color 52, 20.107, 197.423 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, 20.107, 197.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

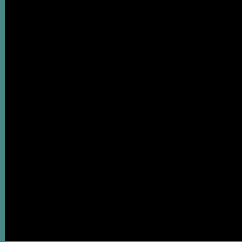
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 20.107, 197.423

Background



This preview shows how black text looks on a background with the CIELCh color 52, 20.107, 197.423.



This preview shows how white text looks on a background with the CIELCh color 52, 20.107, 197.423.

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, 20.107, 197.423

Protanopia
52, 2.368, 300.088

Deuteranopia
52, 10.536, 310.609



Tritanopia
52, 19.033, 217.543

Trichromacy



Original Color
52, 20.107, 197.423

Protanomaly
52, 8.010, 207.021

Deuteranomaly
51, 8.610, 247.221

Tritanomaly
52, 19.302, 209.877

Monochromacy



Original Color
52, 20.107, 197.423

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 8.056, 198.578

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 20.107, 197.423 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(75, 134, 134)` looks like.

```
.text, #text, p{  
    color:rgb(75, 134, 134)  
}
```

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(75, 134, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 134, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 20.107, 197.423 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(75, 134, 134) }
```

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

```
.border{ border-color:rgb(75, 134, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 134, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 134, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 134, 134);  
box-shadow:4px 4px 4px 4px rgb(75, 134,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 20.107, 197.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 134, 134) }
```

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

```
.background{ background-color: rgb(75, 134,  
134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor