

Converting Colors

CIELCh(52, 21.903, 197.876)

Have a look what the booklet for
CIELCh(52, 21.903, 197.876)
contains.

CIELCh(52, 21.820, 198.809)	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, 21.820, 198.809)

Conversions

Conversions Part 1

Format	Color
Hex	448687
RGB	68, 134, 135
RGB Percent	27%, 53%, 53%
CMY	0.7319, 0.4732, 0.4693
CMYK	0.49, 0.01, 0.00, 0.47
HSL	181°, 33%, 40%
HSV	181°, 49%, 53%
XYZ	15.3774, 20.1443, 26.1238
YIQ	114.3800, -39.6570, -13.6810

Conversions

Conversions Part 2

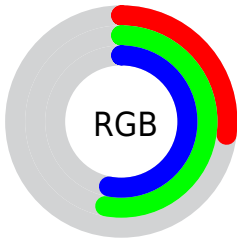
Format	Color
R _{YB}	68, 101, 135
Decimal	4490887
CIE Lab	52.00, -20.65, -7.04
CIE LCh	52, 21.820, 198.809
Yxy	20.1443, 0.2494, 0.3268
Android (android.graphics.Color)	4282680967 (0xFF448687)
YUV	114.3800, 10.1657, -40.6753
Hunter-Lab	44.8824, -17.3875, -3.0920

Details

The CIELCh color **52, 21.820, 198.809** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **38, 31.003, 25.634**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 21.544, 199.209**, and **32, 21.884, 198.143** is the 20% darker color. If you saturate the color by 10%, you get **51, 24.798, 198.616**, and if you desaturate by 10%, it is **53, 18.267, 199.074**.

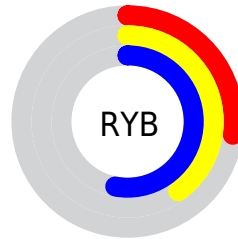
Distribution



Red (27%)

Green (53%)

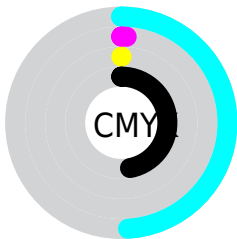
Blue (53%)



Red (27%)

Yellow (40%)

Blue (53%)

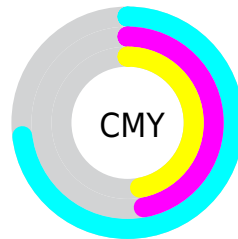


Cyan (49%)

Magenta (1%)

Yellow (0%)

Black (47%)



Cyan (73%)


Magenta (47%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 21.820, 198.809 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, 21.820, 198.809 by changing the saturation by 10% instead.


 52, 21.820,
198.809


 52, 21.820,
198.809


 100, 21.820,
198.809


 42, 21.820,
198.809


 72, 21.820,
198.809

 32, 21.820,
198.809

 82, 21.820,
198.809

 22, 21.820,
198.809

 92, 21.820,
198.809

 12, 21.820,
198.809

 2, 21.820, 198.809

 0, 21.820, 198.809

■ 52, 21.820,
198.809

■ 52, 21.820,
198.809

■ 51, 24.798,
198.616

■ 53, 18.267,
199.074

■ 51, 27.155,
198.506

■ 53, 14.205,
199.410

■ 51, 28.873,
198.480

■ 54, 9.710, 199.813

■ 50, 29.970,
198.538

■ 55, 4.861, 200.294

■ 57, 0.266, 19.132

■ 50, 30.629,
198.658

■ 58, 5.601, 21.128

■ 50, 30.661,
198.664

■ 59, 11.083, 21.703

■ 60, 16.660, 22.270

■ 62, 22.292, 22.843

Harmonies

Complementary

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



52, 21.820, 198.809



38, 31.003, 25.634

Rectangle

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



52, 21.820, 198.809



52, 21.820, 248.809



52, 21.820, 18.809



52, 21.820, 68.809

Sweetspot

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



52, 21.820, 198.807



70, 9.371, 200.001



51, 46.382, 140.591



37, 6.410, 199.916



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



52, 21.820, 198.807



66, 30.321, 198.604



42, 22.398, 264.311



29, 2.933, 200.312



49, 30.212, 198.659



1, 1.393, 200.680

Inverse Universe

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



40, 45.721, 327.373



48, 65.671, 327.828



46, 25.729, 69.434



27, 5.386, 325.303



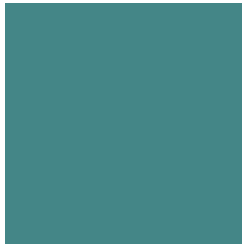
31, 70.315, 328.815



0, 2.486, 324.836

Previews

White Background



This preview shows how the CIELCh color 52, 21.820, 198.809 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, 21.820, 198.809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

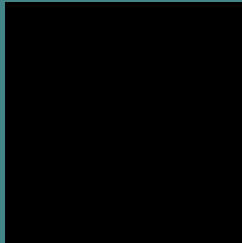
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 21.820, 198.809

Background



This preview shows how black text looks on a background with the CIELCh color 52, 21.820, 198.809.



This preview shows how white text looks on a background with the CIELCh color 52, 21.820, 198.809.

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, 21.820, 198.809

Protanopia
52, 2.942, 298.247

Deuteranopia
52, 10.969, 307.709



Tritanopia
52, 20.729, 215.703

Trichromacy



Original Color
52, 21.820, 198.809

Protanomaly
52, 8.857, 213.894

Deuteranomaly
51, 9.727, 245.041

Tritanomaly
52, 20.822, 210.509

Monochromacy



Original Color
52, 21.820, 198.809

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 9.141, 198.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 21.820, 198.809 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(68, 134, 135)` looks like.

```
.text, #text, p{  
    color:rgb(68, 134, 135)  
}
```

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(68, 134, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 134, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 21.820, 198.809 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(68, 134, 135) }
```

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

```
.border{ border-color:rgb(68, 134, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 134, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 134, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 134, 135);  
box-shadow:4px 4px 4px 4px rgb(68, 134,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 21.820, 198.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 134, 135) }
```

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

```
.background{ background-color: rgb(68, 134,  
135) }
```

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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