

Converting Colors

CIELCh(52, 21.467, 180.203)

Have a look what the booklet for
CIELCh(52, 21.467, 180.203)
contains.

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Color

CIELCh(52, 21.521, 179.865)

Conversions

Conversions Part 1

Format	Color
Hex	4D867B
RGB	77, 134, 123
RGB Percent	30%, 53%, 48%
CMY	0.6971, 0.4735, 0.5167
CMYK	0.42, 0.00, 0.08, 0.47
HSL	168°, 27%, 41%
HSV	168°, 42%, 53%
XYZ	15.2312, 20.1443, 21.9053
YIQ	115.7030, -30.4410, -15.5050

Conversions

Conversions Part 2

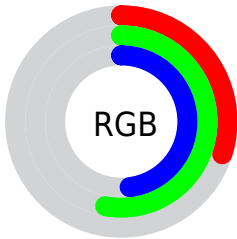
Format	Color
RYB	77, 109, 134
Decimal	5080699
CIELab	52.00, -21.52, 0.05
CIElCh	52, 21.521, 179.865
Yxy	20.1443, 0.2659, 0.3517
Android (android.graphics.Color)	4283270779 (0xFF4D867B)
YUV	115.7030, 3.5974, -33.9425
Hunter-Lab	44.8824, -17.9690, 2.4807

Details

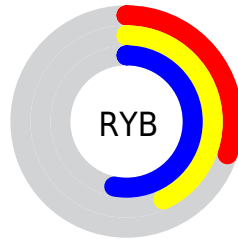
The CIELCh color **52, 21.521, 179.865** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **40, 25.749, 8.908**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 21.397, 179.841**, and **32, 21.567, 179.207** is the 20% darker color. If you saturate the color by 10%, you get **51, 25.687, 178.773**, and if you desaturate by 10%, it is **53, 16.920, 180.880**.

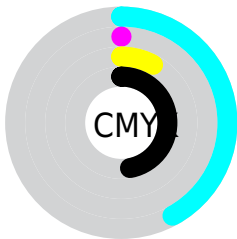
Distribution



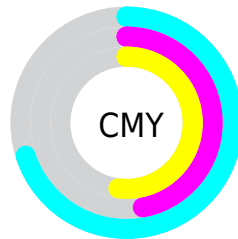
- Red (30%)
- Green (53%)
- Blue (48%)



- Red (30%)
- Yellow (43%)
- Blue (53%)



- Cyan (42%)
- Magenta (0%)
- Yellow (8%)
- Black (47%)





- Cyan (70%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 21.521, 179.865 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, 21.521, 179.865 by changing the saturation by 10% instead.


 52, 21.521,
179.865


 52, 21.521,
179.865


 100, 21.521,
179.865


 42, 21.521,
179.865


 72, 21.521,
179.865

 32, 21.521,
179.865

 82, 21.521,
179.865

 22, 21.521,
179.865

 92, 21.521,
179.865

 12, 21.521,
179.865

 2, 21.521, 179.865

 0, 21.521, 179.865

■ 52, 21.521,
179.865

■ 52, 21.521,
179.865

■ 51, 25.687,
178.773

■ 53, 16.920,
180.880

■ 51, 29.339,
177.590

■ 54, 11.968,
181.840

■ 50, 32.419,
176.294

■ 55, 6.750, 182.766

■ 56, 1.347, 183.854

■ 50, 34.900,
174.863

■ 57, 4.173, 4.306

■ 50, 36.795,
173.281

■ 58, 9.751, 5.156

■ 50, 38.024,
172.067

■ 60, 15.339, 5.941

■ 61, 20.902, 6.695

■ 63, 26.412, 7.423

Harmonies

Complementary

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



52, 21.521, 179.865



40, 25.749, 8.908

Rectangle

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



52, 21.521, 179.865



52, 21.521, 229.865



52, 21.521, 359.865



52, 21.521, 49.865

Sweetspot

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



52, 21.521, 179.863



69, 8.670, 182.690



52, 37.537, 136.510



36, 6.024, 182.512



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, 21.521, 179.863



65, 30.817, 178.812



47, 16.549, 236.260



27, 3.038, 183.078



48, 37.132, 172.127



1, 0.737, 183.790

Inverse Universe

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



40, 25.749, 8.908



47, 38.535, 10.804



44, 21.457, 49.324



26, 3.148, 4.522



26, 55.797, 28.199



0, 0.737, 3.775

Previews

White Background



This preview shows how the CIELCh color 52, 21.521, 179.865 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, 21.521, 179.865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

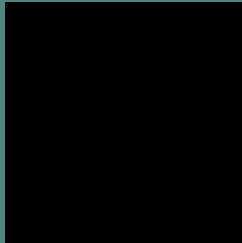
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 21.521, 179.865

Background



This preview shows how black text looks on a background with the CIELCh color 52, 21.521, 179.865.

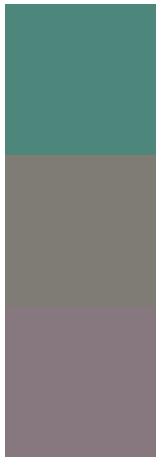


This preview shows how white text looks on a background with the CIELCh color 52, 21.521, 179.865.

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, 21.521, 179.865

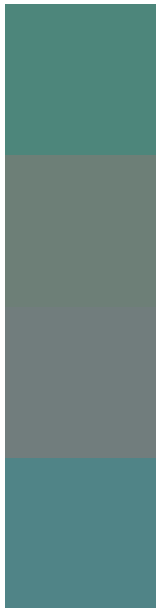
Protanopia
52, 3.828, 84.413

Deuteranopia
52, 6.636, 348.540



Tritanopia
52, 17.498, 219.513

Trichromacy



Original Color
52, 21.521, 179.865

Protanomaly
52, 8.551, 165.586

Deuteranomaly
51, 4.676, 198.987

Tritanomaly
52, 17.965, 203.270

Monochromacy



Original Color
52, 21.521, 179.865

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 8.540, 182.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 21.521, 179.865 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(77, 134, 123)` looks like.

```
.text, #text, p{  
    color:rgb(77, 134, 123)  
}
```

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(77, 134, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 134, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 21.521, 179.865 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(77, 134, 123) }
```

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

```
.border{ border-color:rgb(77, 134, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 134, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 134, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 134, 123);  
box-shadow:4px 4px 4px 4px rgb(77, 134,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 21.521, 179.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 134, 123) }
```

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

```
.background{ background-color: rgb(77, 134,  
123) }
```

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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