

Converting Colors

CIELCh(52, 6.127, 8.642)

Have a look what the booklet for
CIELCh(52, 6.127, 8.642) contains.

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Color

CIELCh(52, 6.340, 4.206)

Conversions

Conversions Part 1

Format	Color
Hex	87787B
RGB	135, 120, 123
RGB Percent	53%, 47%, 48%
CMY	0.4691, 0.5279, 0.5162
CMYK	0.00, 0.11, 0.09, 0.47
HSL	348°, 6%, 50%
HSV	348°, 11%, 53%
XYZ	20.4126, 20.1443, 21.6738
YIQ	124.8270, 7.9770, 4.1130

Conversions

Conversions Part 2

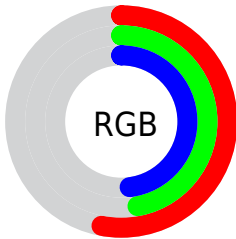
Format	Color
RYB	135, 120, 123
Decimal	8878203
CIELab	52.00, 6.32, 0.46
CIELCh	52, 6.340, 4.206
Yxy	20.1443, 0.3280, 0.3237
Android (android.graphics.Color)	4287068283 (0xFF87787B)
YUV	124.8270, -0.9007, 8.9217
Hunter-Lab	44.8824, 2.6379, 2.7865

Details

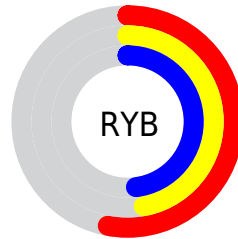
The CIELCh color $52, 6.340, 4.206$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $55, 6.076, 182.371$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 6.298, 4.910$, and $32, 5.936, 8.099$ is the 20% darker color. If you saturate the color by 10%, you get $48, 12.357, 5.320$, and if you desaturate by 10%, it is $56, 0.606, 2.726$.

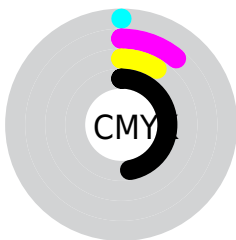
Distribution



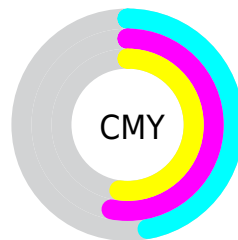
- Red (53%)
- Green (47%)
- Blue (48%)



- Red (53%)
- Yellow (47%)
- Blue (48%)



- Cyan (0%)
- Magenta (11%)
- Yellow (9%)
- Black (47%)



- Cyan (47%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 6.340, 4.206 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, 6.340, 4.206 by changing the saturation by 10% instead.

 52, 6.340, 4.206

 52, 6.340, 4.206

 100, 6.340, 4.206

 42, 6.340, 4.206

 72, 6.340, 4.206

 32, 6.340, 4.206

 82, 6.340, 4.206

 22, 6.340, 4.206

 92, 6.340, 4.206

 12, 6.340, 4.206

 2, 6.340, 4.206

 0, 6.340, 4.206

 52, 6.340, 4.206

 52, 6.340, 4.206

 48, 12.357, 5.320

 56, 0.606, 2.726

 44, 18.623, 6.610

 60, 4.829, 182.640



Harmonies

Complementary

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



52, 6.340, 4.206



55, 6.076, 182.371

Rectangle

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



52, 6.340, 4.206



52, 6.340, 54.206



52, 6.340, 184.206



52, 6.340, 234.206

Sweetspot

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



52, 6.339, 4.216



70, 2.084, 3.306



52, 9.944, 319.268



37, 1.594, 3.416



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, 6.339, 4.216



65, 9.260, 4.448



53, 5.016, 50.791



27, 3.256, 4.016



27, 56.403, 27.799



0, 1.478, 3.259

Inverse Universe

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



52, 6.339, 4.216



65, 9.260, 4.448



54, 4.734, 232.453



27, 3.256, 4.016



27, 56.403, 27.799



0, 1.478, 3.259

Previews

White Background



This preview shows how the CIE LCh color 52, 6.340, 4.206 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 CIE LCh color 52, 6.340, 4.206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

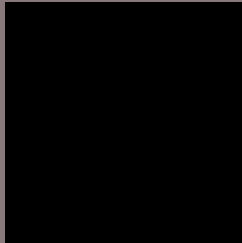
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 6.340, 4.206

Background



This preview shows how black text looks on a background with the CIELCh color 52, 6.340, 4.206.



This preview shows how white text looks on a background with the CIELCh color 52, 6.340, 4.206.

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, 6.340, 4.206

Protanopia

52, 1.682, 335.676

Deuteranopia

52, 6.738, 5.225



Tritanopia
52, 8.276, 341.297

Trichromacy



Original Color

52, 6.340, 4.206

Protanomaly

52, 3.054, 357.328

Deuteranomaly

52, 6.738, 5.225

Tritanomaly

52, 7.620, 348.135

Monochromacy



Original Color

52, 6.340, 4.206

Achromatopsia

52, 0.007, 296.813

Achromatomaly

52, 2.486, 6.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 6.340, 4.206 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(135, 120, 123)` looks like.

```
.text, #text, p{  
    color:rgb(135, 120, 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(135, 120, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 120, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 6.340, 4.206 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(135, 120, 123) }
```

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

```
.border{ border-color:rgb(135, 120, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 120, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 120, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 120, 123); box-shadow:4px 4px 4px 4px rgb(135, 120, 123) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 6.340, 4.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 120, 123) }
```

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

```
.background{ background-color: rgb(135,  
120, 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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