

Converting Colors

CIELCh(52, 12.085, 172.550)

Have a look what the booklet for
CIELCh(52, 12.085, 172.550)
contains.

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Color

CIELCh(52, 12.100, 172.535)

Conversions

Conversions Part 1

Format	Color
Hex	668279
RGB	102, 130, 121
RGB Percent	40%, 51%, 47%
CMY	0.6003, 0.4905, 0.5258
CMYK	0.22, 0.00, 0.07, 0.49
HSL	161°, 12%, 45%
HSV	161°, 22%, 51%
XYZ	16.8904, 20.1443, 21.0632
YIQ	120.6020, -13.7990, -8.7350

Conversions

Conversions Part 2

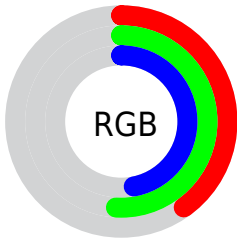
Format	Color
RYB	102, 119, 130
Decimal	6718073
CIELab	52.00, -12.00, 1.57
CIELCh	52, 12.100, 172.535
Yxy	20.1443, 0.2907, 0.3467
Android (android.graphics.Color)	4284908153 (0xFF668279)
YUV	120.6020, 0.1962, -16.3140
Hunter-Lab	44.8824, -11.3704, 3.5930

Details

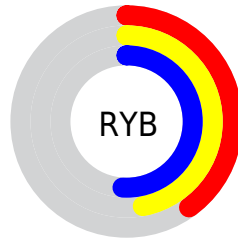
The CIELCh color $52, 12.100, 172.535$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $46, 12.792, 356.585$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 12.328, 172.201$, and $32, 12.288, 173.230$ is the 20% darker color. If you saturate the color by 10%, you get $51, 17.479, 171.485$, and if you desaturate by 10%, it is $53, 6.543, 173.514$.

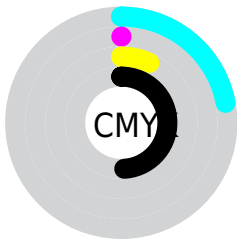
Distribution



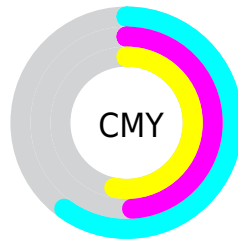
- Red (40%)
- Green (51%)
- Blue (47%)



- Red (40%)
- Yellow (47%)
- Blue (51%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (49%)





- Cyan (60%)
- Magenta (49%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 12.100, 172.535 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, 12.100, 172.535 by changing the saturation by 10% instead.


 52, 12.100,
172.535


 52, 12.100,
172.535


 100, 12.100,
172.535


 42, 12.100,
172.535


 72, 12.100,
172.535

 32, 12.100,
172.535

 82, 12.100,
172.535

 22, 12.100,
172.535

 92, 12.100,
172.535

 12, 12.100,
172.535

 2, 12.100, 172.535

 0, 12.100, 172.535

■ 52, 12.100,
172.535

■ 52, 12.100,
172.535

■ 51, 17.479,
171.485

■ 53, 6.543, 173.514

■ 54, 0.879, 174.744

■ 50, 22.591,
170.348

■ 55, 4.825, 355.121

■ 50, 27.349,
169.097

■ 57, 10.518,
355.949

■ 49, 31.668,
167.712

■ 58, 16.160,
356.710

■ 49, 35.479,
166.169

■ 60, 21.722,
357.430

■ 48, 38.739,
164.448


■ 61, 27.183,
358.115

■ 48, 41.446,
162.539

■ 63, 32.529,
358.771

■ 48, 43.492,

160.903

 65, 37.753,
359.400

Harmonies

Complementary

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



52, 12.100, 172.535



46, 12.792, 356.585

Rectangle

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



52, 12.100, 172.535



52, 12.100, 222.535



52, 12.100, 352.535



52, 12.100, 42.535

Sweetspot

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



52, 12.101, 172.532



68, 4.210, 174.051



52, 17.916, 133.743



35, 2.779, 173.998



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, 12.101, 172.532



66, 17.927, 172.014



51, 9.061, 216.143



26, 3.148, 173.755



47, 42.874, 160.947



0, 0.000, 0.000

Inverse Universe

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



46, 12.792, 356.585



57, 19.212, 357.185



47, 10.422, 35.712



25, 3.223, 355.248



26, 51.526, 17.202



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 12.100, 172.535 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, 12.100, 172.535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

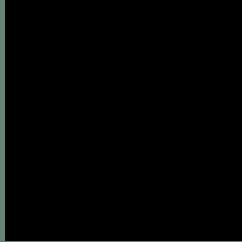
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 12.100, 172.535

Background



This preview shows how black text looks on a background with the CIELCh color 52, 12.100, 172.535.

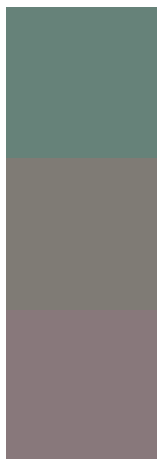


This preview shows how white text looks on a background with the CIELCh color 52, 12.100, 172.535.

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, 12.100, 172.535

Protanopia

52, 3.828, 84.413

Deuteranopia

52, 6.738, 5.225



Tritanopia
52, 10.118, 238.148

Trichromacy



Original Color
52, 12.100, 172.535

Protanomaly
52, 5.671, 144.126

Deuteranomaly
52, 1.153, 109.992

Tritanomaly
52, 9.188, 213.280

Monochromacy



Original Color
52, 12.100, 172.535

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.349, 175.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 12.100, 172.535 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(102, 130, 121)` looks like.

```
.text, #text, p{  
    color:rgb(102, 130, 121)  
}
```

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(102, 130, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 130, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 12.100, 172.535 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(102, 130, 121) }
```

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

```
.border{ border-color:rgb(102, 130, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 130, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 130, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 130, 121);  
box-shadow:4px 4px 4px 4px rgb(102, 130,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 12.100, 172.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 130, 121) }
```

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

```
.background{ background-color: rgb(102,  
130, 121) }
```

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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