

Converting Colors

CIELCh(52, 13.234, 142.240)

Have a look what the booklet for
CIELCh(52, 13.234, 142.240)
contains.

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Color

CIELCh(52, 13.253, 142.234)

Conversions

Conversions Part 1

Format	Color
Hex	6F816E
RGB	111, 129, 110
RGB Percent	44%, 51%, 43%
CMY	0.5654, 0.4948, 0.5693
CMYK	0.14, 0.00, 0.15, 0.49
HSL	117°, 8%, 47%
HSV	117°, 15%, 51%
XYZ	17.1660, 20.1443, 17.6864
YIQ	121.4520, -4.6290, -9.7250

Conversions

Conversions Part 2

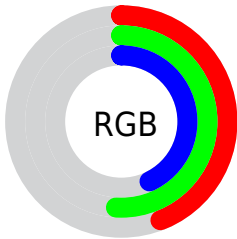
Format	Color
R_{YB}	110, 129, 128
Decimal	7307630
CIE _{Lab}	52.00, -10.48, 8.12
CIE _{LCh}	52, 13.253, 142.234
Yxy	20.1443, 0.3121, 0.3663
Android (android.graphics.Color)	4285497710 (0xFF6F816E)
YUV	121.4520, -5.6458, -9.1664
Hunter-Lab	44.8824, -10.2743, 8.0538

Details

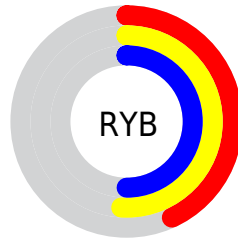
The CIELCh color $52, 13.253, 142.234$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 13.287, 323.743$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 13.086, 142.512$, and $32, 13.670, 141.738$ is the 20% darker color. If you saturate the color by 10%, you get $51, 22.298, 141.570$, and if you desaturate by 10%, it is $53, 4.237, 142.831$.

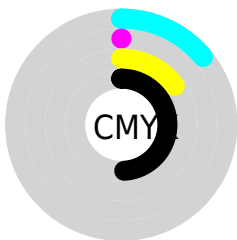
Distribution



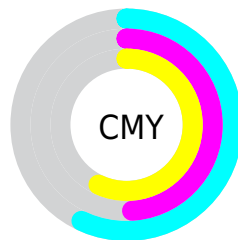
- Red (44%)
- Green (51%)
- Blue (43%)



- Red (43%)
- Yellow (51%)
- Blue (50%)



- Cyan (14%)
- Magenta (0%)
- Yellow (15%)
- Black (49%)





- Cyan (57%)
- Magenta (49%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 13.253, 142.234 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, 13.253, 142.234 by changing the saturation by 10% instead.


 52, 13.253,
142.234


 52, 13.253,
142.234


 100, 13.253,
142.234


 42, 13.253,
142.234


 72, 13.253,
142.234

 32, 13.253,
142.234

 82, 13.253,
142.234

 22, 13.253,
142.234

 92, 13.253,
142.234

 12, 13.253,
142.234

 2, 13.253, 142.234

 0, 13.253, 142.234

■ 52, 13.253,
142.234

■ 52, 13.253,
142.234

■ 51, 22.298,
141.570

■ 53, 4.237, 142.831

■ 50, 31.244,
140.812

■ 55, 4.664, 323.237

■ 49, 39.928,
139.962

■ 56, 13.386,
323.676

■ 48, 48.138,
139.039

■ 58, 21.887,
324.034

■ 48, 55.610,
138.087

■ 59, 30.145,
324.337

■ 47, 62.024,
137.189

■ 61, 38.148,
324.594

■ 47, 67.032,
136.462

■ 63, 45.893,
324.814

■ 47, 70.394,

■ 65, 53.386,
325.002

135.995

■ 67, 60.633,
325.164

■ 47, 71.854,
135.681

Harmonies

Complementary

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



52, 13.253, 142.234



49, 13.287, 323.743

Rectangle

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



52, 13.253, 142.234



52, 13.253, 192.234



52, 13.253, 322.234



52, 13.253, 12.234

Sweetspot

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



52, 13.254, 142.235



68, 4.440, 142.872



53, 10.205, 105.917



35, 3.143, 142.830



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, 13.254, 142.235



66, 20.158, 142.000



52, 9.847, 159.104



26, 5.007, 142.575



46, 71.315, 135.677



0, 0.000, 0.000

Inverse Universe

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



49, 13.287, 323.743



61, 20.210, 323.927



48, 9.977, 341.330



25, 5.019, 323.455



28, 69.316, 326.234



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 13.253, 142.234 looks on a white background.

Color Contrast Check

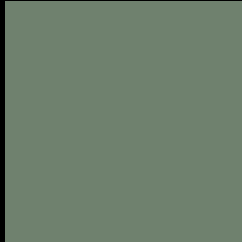
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.253, 142.234 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, 13.253, 142.234

Background



This preview shows how black text looks on a background with the CIELCh color 52, 13.253, 142.234.



This preview shows how white text looks on a background with the CIELCh color 52, 13.253, 142.234.

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

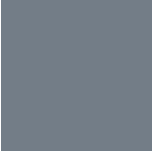
52, 13.253, 142.234

Protanopia

52, 9.711, 91.251

Deuteranopia

52, 9.766, 44.627



Tritanopia
52, 6.853, 257.399

Trichromacy



Original Color
52, 13.253, 142.234

Protanomaly
52, 9.857, 113.773

Deuteranomaly
52, 7.374, 89.427

Tritanomaly
52, 5.049, 198.945

Monochromacy



Original Color
52, 13.253, 142.234

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.973, 144.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 13.253, 142.234 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(111, 129, 110)` looks like.

```
.text, #text, p{  
    color:rgb(111, 129, 110)  
}
```

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(111, 129, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 129, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 13.253, 142.234 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(111, 129, 110) }
```

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

```
.border{ border-color:rgb(111, 129, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 129, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 129, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 129, 110);  
box-shadow:4px 4px 4px 4px rgb(111, 129,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 13.253, 142.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 129, 110) }
```

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

```
.background{ background-color: rgb(111,  
129, 110) }
```

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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