

Converting Colors

CIELCh(52, 33.907, 146.575)

Have a look what the booklet for
CIELCh(52, 33.907, 146.575)
contains.

CIELCh(52, 33.913, 146.730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 33.913, 146.730)

Conversions

Conversions Part 1

Format	Color
Hex	51885B
RGB	81, 136, 91
RGB Percent	32%, 53%, 36%
CMY	0.6820, 0.4663, 0.6428
CMYK	0.40, 0.00, 0.33, 0.47
HSL	131°, 25%, 43%
HSV	131°, 40%, 53%
XYZ	14.1101, 20.1443, 13.0615
YIQ	114.4250, -18.3350, -25.6550

Conversions

Conversions Part 2

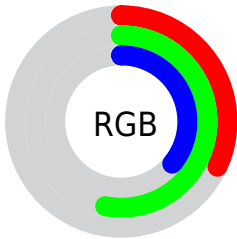
Format	Color
R_{YB}	81, 128, 136
Decimal	5343323
CIE _{Lab}	52.00, -28.35, 18.60
CIE _{LCh}	52, 33.913, 146.730
Yxy	20.1443, 0.2982, 0.4257
Android (android.graphics.Color)	4283533403 (0xFF51885B)
YUV	114.4250, -11.5485, -29.3137
Hunter-Lab	44.8824, -22.4274, 14.1634

Details

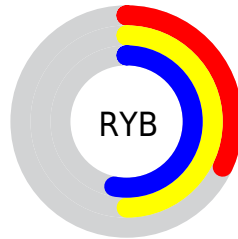
The CIELCh color $52, 33.913, 146.730$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $42, 33.982, 332.394$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $72, 34.227, 146.342$, and $32, 33.874, 146.719$ is the 20% darker color. If you saturate the color by 10%, you get $51, 41.856, 145.619$, and if you desaturate by 10%, it is $53, 25.652, 147.699$.

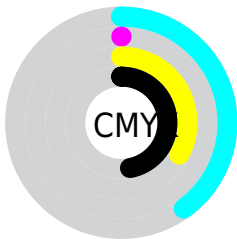
Distribution



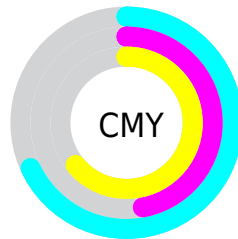
- Red (32%)
- Green (53%)
- Blue (36%)



- Red (32%)
- Yellow (50%)
- Blue (53%)



- Cyan (40%)
- Magenta (0%)
- Yellow (33%)
- Black (47%)





- Cyan (68%)
- Magenta (47%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 33.913, 146.730 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, 33.913, 146.730 by changing the saturation by 10% instead.


 52, 33.913,
146.730


 52, 33.913,
146.730


 100, 33.913,
146.730


 42, 33.913,
146.730


 72, 33.913,
146.730


 32, 33.913,
146.730


 82, 33.913,
146.730

 22, 33.913,
146.730

 92, 33.913,
146.730

 12, 33.913,
146.730

 2, 33.913, 146.730

 0, 33.913, 146.730

■ 52, 33.913,
146.730

■ 52, 33.913,
146.730

■ 51, 41.856,
145.619

■ 53, 25.652,
147.699

■ 51, 49.303,
144.360

■ 54, 17.222,
148.540

■ 50, 56.073,
142.961

■ 55, 8.752, 149.275

■ 50, 61.981,
141.454

■ 57, 0.342, 150.544

■ 58, 7.934, 330.389

■ 49, 66.861,
139.907

■ 60, 16.023,
330.877

■ 49, 70.574,
138.604

■ 61, 23.891,
331.296

■ 63, 31.519,
331.665

■ 65, 38.898,
331.991

Harmonies

Complementary

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



52, 33.913, 146.730



42, 33.982, 332.394

Rectangle

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



52, 33.913, 146.730



52, 33.913, 196.730



52, 33.913, 326.730



52, 33.913, 16.730

Sweetspot

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



52, 33.914, 146.730



70, 12.448, 149.146



55, 31.056, 113.887



37, 8.326, 149.069



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, 33.914, 146.730



65, 49.240, 145.781



53, 23.084, 169.659



28, 4.783, 149.362



48, 69.188, 138.646



1, 2.212, 149.902

Inverse Universe

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



42, 33.982, 332.394



51, 49.159, 332.964



41, 25.577, 358.293



27, 4.797, 330.411



30, 61.964, 336.779



0, 2.213, 329.896

Previews

White Background



This preview shows how the CIELCh color 52, 33.913, 146.730 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, 33.913, 146.730 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, 33.913, 146.730

Background



This preview shows how black text looks on a background with the CIELCh color 52, 33.913, 146.730.



This preview shows how white text looks on a background with the CIELCh color 52, 33.913, 146.730.

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, 33.913, 146.730

Protanopia
52, 21.748, 95.578

Deuteranopia
52, 18.073, 67.044



Tritanopia
52, 14.636, 221.729

Trichromacy



Original Color
52, 33.913, 146.730

Protanomaly
52, 23.671, 122.047

Deuteranomaly
51, 17.878, 112.032

Tritanomaly
52, 17.777, 178.421

Monochromacy



Original Color
52, 33.913, 146.730

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 12.901, 147.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 33.913, 146.730 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(81, 136, 91)` looks like.

```
.text, #text, p{  
    color:rgb(81, 136, 91)  
}
```

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(81, 136, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 136, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 33.913, 146.730 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(81, 136, 91) }
```

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

```
.border{ border-color:rgb(81, 136, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 136, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 136, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 136, 91);  
box-shadow:4px 4px 4px 4px rgb(81, 136,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 33.913, 146.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 136, 91) }
```

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

```
.background{ background-color: rgb(81, 136,  
91) }
```

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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