

Converting Colors

CIELCh(53, 52.285, 137.069)

Have a look what the booklet for
CIELCh(53, 52.285, 137.069)
contains.

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Color

CIELCh(53, 52.187, 137.049)

Conversions

Conversions Part 1

Format	Color
Hex	498E3E
RGB	73, 142, 62
RGB Percent	29%, 56%, 24%
CMY	0.7145, 0.4439, 0.7575
CMYK	0.49, 0.00, 0.56, 0.44
HSL	112°, 39%, 40%
HSV	112°, 56%, 56%
XYZ	13.2439, 21.0462, 7.8972
YIQ	112.2490, -15.4440, -39.5080

Conversions

Conversions Part 2

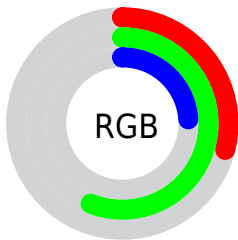
Format	Color
RYB	62, 142, 131
Decimal	4820542
CIELab	53.00, -38.20, 35.56
CIELCh	53, 52.187, 137.049
Yxy	21.0462, 0.3139, 0.4989
Android (android.graphics.Color)	4283010622 (0xFF498E3E)
YUV	112.2490, -24.7728, -34.4214
Hunter-Lab	45.8761, -28.7525, 21.9070

Details

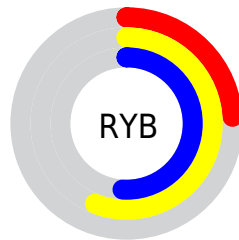
The CIELCh color $53, 52.187, 137.049$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $38, 52.684, 323.016$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $73, 51.861, 136.959$, and $33, 52.266, 136.971$ is the 20% darker color. If you saturate the color by 10%, you get $52, 60.026, 136.308$, and if you desaturate by 10%, it is $54, 43.566, 137.819$.

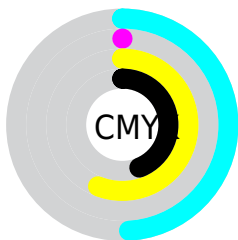
Distribution



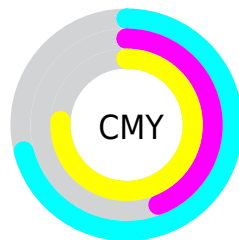
- Red (29%)
- Green (56%)
- Blue (24%)



- Red (24%)
- Yellow (56%)
- Blue (51%)



- Cyan (49%)
- Magenta (0%)
- Yellow (56%)
- Black (44%)





- Cyan (71%)
- Magenta (44%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 52.187, 137.049 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 53, 52.187, 137.049 by changing the saturation by 10% instead.


 53, 52.187,
137.049


 53, 52.187,
137.049


 100, 52.187,
137.049


 43, 52.187,
137.049


 73, 52.187,
137.049

 33, 52.187,
137.049

 83, 52.187,
137.049

 23, 52.187,
137.049

 93, 52.187,
137.049

 13, 52.187,
137.049

 3, 52.187, 137.049

 0, 52.187, 137.049

■ 53, 52.187,
137.049

■ 53, 52.187,
137.049

■ 52, 60.026,
136.308

■ 54, 43.566,
137.819

■ 52, 66.731,
135.686

■ 55, 34.445,
138.556

■ 52, 71.919,
135.304

■ 56, 25.045,
139.233

■ 51, 75.392,
135.212

■ 57, 15.531,
139.839

■ 51, 76.459,
135.124

■ 58, 6.028, 140.382

■ 59, 3.375, 320.756

■ 61, 12.614,
321.185

■ 63, 21.647,
321.525

■ 64, 30.447,
321.812

Harmonies

Complementary

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



53, 52.187, 137.049



38, 52.684, 323.016

Rectangle

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



53, 52.187, 137.049



53, 52.187, 187.049



53, 52.187, 317.049



53, 52.187, 7.049

Sweetspot

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



53, 52.188, 137.050



72, 19.881, 139.784



54, 38.216, 97.058



37, 13.258, 139.684



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53, 52.188, 137.050



66, 75.203, 136.102



53, 42.126, 150.856



30, 5.358, 140.234



49, 73.796, 135.089



2, 3.608, 140.653

Inverse Universe

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



38, 52.684, 323.016



45, 75.579, 323.311



39, 42.662, 341.137



28, 5.379, 321.047



28, 72.847, 323.091



1, 3.608, 320.649

Previews

White Background



This preview shows how the CIELCh color 53, 52.187, 137.049 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 53, 52.187, 137.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

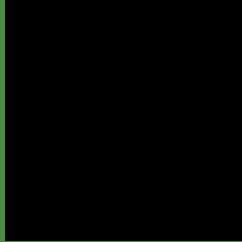
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 52.187, 137.049

Background



This preview shows how black text looks on a background with the CIELCh color 53, 52.187, 137.049.



This preview shows how white text looks on a background with the CIELCh color 53, 52.187, 137.049.

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

53, 52.187, 137.049

Protanopia

53, 39.002, 95.570

Deuteranopia

53, 34.043, 78.454



Tritanopia
53, 16.159, 221.456

Trichromacy



Original Color
53, 52.187, 137.049

Protanomaly
52, 40.880, 115.346

Deuteranomaly
52, 34.778, 108.744

Tritanomaly
53, 23.806, 164.684

Monochromacy



Original Color
53, 52.187, 137.049

Achromatopsia
47, 0.006, 296.813

Achromatomaly
49, 19.898, 139.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 52.187, 137.049 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(73, 142, 62)` looks like.

```
.text, #text, p{  
    color:rgb(73, 142, 62)  
}
```

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(73, 142, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 142, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 52.187, 137.049 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(73, 142, 62) }
```

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

```
.border{ border-color:rgb(73, 142, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 142, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 142, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 142, 62);  
box-shadow:4px 4px 4px 4px rgb(73, 142,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 52.187, 137.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 142, 62) }
```

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

```
.background{ background-color: rgb(73, 142,  
62) }
```

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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