

Converting Colors

CIELCh(52, 48.205, 137.310)

Have a look what the booklet for
CIELCh(52, 48.205, 137.310)
contains.

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Color

CIELCh(52, 48.168, 137.337)

Conversions

Conversions Part 1

Format	Color
Hex	4B8A41
RGB	75, 138, 65
RGB Percent	29%, 54%, 25%
CMY	0.7048, 0.4578, 0.7441
CMYK	0.46, 0.00, 0.53, 0.46
HSL	112°, 36%, 40%
HSV	112°, 53%, 54%
XYZ	13.0103, 20.1443, 8.2406
YIQ	110.8410, -14.1150, -36.0590

Conversions

Conversions Part 2

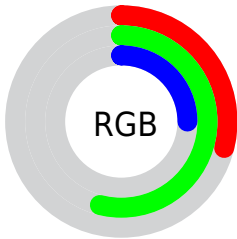
Format	Color
R_{YB}	65, 138, 128
Decimal	4950593
CIE _{Lab}	52.00, -35.42, 32.64
CIE _{LCh}	52, 48.168, 137.337
Yxy	20.1443, 0.3143, 0.4866
Android (android.graphics.Color)	4283140673 (0xFF4B8A41)
YUV	110.8410, -22.5996, -31.4326
Hunter-Lab	44.8824, -26.8017, 20.5318

Details

The CIELCh color $52, 48.168, 137.337$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $38, 48.655, 322.903$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $72, 47.976, 137.411$, and $32, 48.111, 137.340$ is the 20% darker color. If you saturate the color by 10%, you get $51, 56.169, 136.578$, and if you desaturate by 10%, it is $53, 39.514, 138.099$.

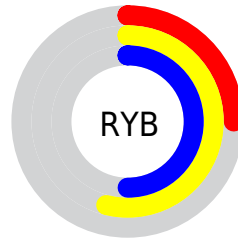
Distribution



Red (29%)

Green (54%)

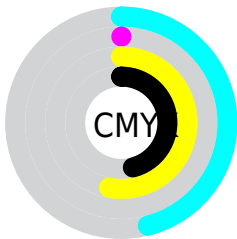
Blue (25%)



Red (25%)

Yellow (54%)

Blue (50%)

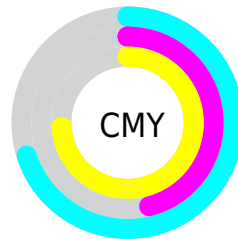


Cyan (46%)

Magenta (0%)

Yellow (53%)

Black (46%)



Cyan (70%)


Magenta (46%)

Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 48.168, 137.337 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, 48.168, 137.337 by changing the saturation by 10% instead.


 52, 48.168,
137.337

 52, 48.168,
137.337

 100, 48.168,
137.337


 42, 48.168,
137.337


 72, 48.168,
137.337

 32, 48.168,
137.337

 82, 48.168,
137.337

 22, 48.168,
137.337

 92, 48.168,
137.337

 12, 48.168,
137.337

 2, 48.168, 137.337

 0, 48.168, 137.337

■ 52, 48.168,
137.337

■ 52, 48.168,
137.337

■ 51, 56.169,
136.578

■ 53, 39.514,
138.099

■ 51, 63.196,
135.899

■ 54, 30.458,
138.815

■ 50, 68.879,
135.414

■ 55, 21.193,
139.464

■ 50, 72.877,
135.237

■ 56, 11.866,
140.043

■ 50, 75.045,
135.106

■ 57, 2.584, 140.593

■ 59, 6.574, 320.931

■ 60, 15.556,
321.315

■ 62, 24.325,
321.634

■ 63, 32.861,
321.905

Harmonies

Complementary

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



52, 48.168, 137.337



38, 48.655, 322.903

Rectangle

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



52, 48.168, 137.337



52, 48.168, 187.337



52, 48.168, 317.337



52, 48.168, 7.337

Sweetspot

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



52, 48.169, 137.338



70, 18.281, 139.847



53, 35.204, 97.471



36, 12.301, 139.746



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, 48.169, 137.338



65, 69.132, 136.467



52, 38.881, 151.360



28, 5.198, 140.240



48, 72.771, 135.075



1, 2.405, 140.656

Inverse Universe

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



38, 48.655, 322.903



46, 69.634, 323.218



39, 39.469, 340.737



27, 5.219, 321.047



28, 71.846, 323.103



0, 2.405, 320.652

Previews

White Background



This preview shows how the CIELCh color 52, 48.168, 137.337 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, 48.168, 137.337 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, 48.168, 137.337

Background



This preview shows how black text looks on a background with the CIELCh color 52, 48.168, 137.337.



This preview shows how white text looks on a background with the CIELCh color 52, 48.168, 137.337.

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, 48.168, 137.337

Protanopia
52, 36.385, 96.654

Deuteranopia
52, 31.169, 78.043



Tritanopia
52, 15.081, 223.424

Trichromacy



Original Color
52, 48.168, 137.337

Protanomaly
51, 37.928, 115.726

Deuteranomaly
51, 31.676, 107.712

Tritanomaly
52, 21.768, 164.936

Monochromacy



Original Color
52, 48.168, 137.337

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 18.516, 139.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 48.168, 137.337 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(75, 138, 65)` looks like.

```
.text, #text, p{  
    color:rgb(75, 138, 65)  
}
```

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(75, 138, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 138, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 48.168, 137.337 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(75, 138, 65) }
```

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

```
.border{ border-color:rgb(75, 138, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 138, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 138, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 138, 65);  
box-shadow:4px 4px 4px 4px rgb(75, 138,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 48.168, 137.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 138, 65) }
```

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

```
.background{ background-color: rgb(75, 138,  
65) }
```

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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