

Converting Colors

CIELCh(53, 47.690, 142.146)

Have a look what the booklet for
CIELCh(53, 47.690, 142.146)
contains.

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Color

CIELCh(53, 47.748, 142.145)

Conversions

Conversions Part 1

Format	Color
Hex	458E4A
RGB	69, 142, 74
RGB Percent	27%, 56%, 29%
CMY	0.7301, 0.4438, 0.7104
CMYK	0.51, 0.00, 0.48, 0.44
HSL	124°, 35%, 41%
HSV	124°, 51%, 56%
XYZ	13.3203, 21.0462, 9.8113
YIQ	112.4210, -21.6800, -36.6240

Conversions

Conversions Part 2

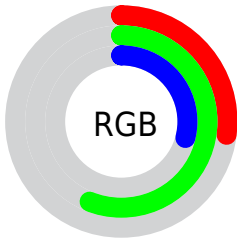
Format	Color
R_{YB}	69, 137, 142
Decimal	4558410
CIE _{Lab}	53.00, -37.70, 29.30
CIE _{LCh}	53, 47.748, 142.145
Yxy	21.0462, 0.3015, 0.4764
Android (android.graphics.Color)	4282748490 (0xFF458E4A)
YUV	112.4210, -18.9416, -38.0802
Hunter-Lab	45.8761, -28.4553, 19.4332

Details

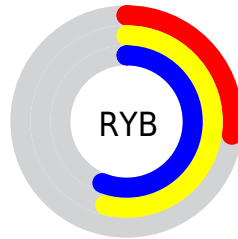
The CIELCh color $53, 47.748, 142.145$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $41, 47.446, 329.135$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $73, 47.410, 142.049$, and $33, 47.926, 142.051$ is the 20% darker color. If you saturate the color by 10%, you get $52, 55.871, 140.968$, and if you desaturate by 10%, it is $54, 38.961, 143.213$.

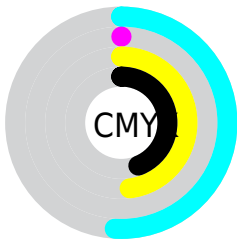
Distribution



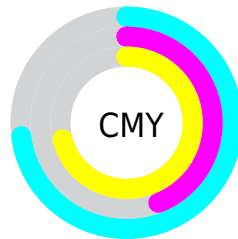
- Red (27%)
- Green (56%)
- Blue (29%)



- Red (27%)
- Yellow (54%)
- Blue (56%)



- Cyan (51%)
- Magenta (0%)
- Yellow (48%)
- Black (44%)





- Cyan (73%)
- Magenta (44%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 47.748, 142.145 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, 47.748, 142.145 by changing the saturation by 10% instead.


 53, 47.748,
142.145


 53, 47.748,
142.145


 100, 47.748,
142.145


 43, 47.748,
142.145


 73, 47.748,
142.145

 33, 47.748,
142.145

 83, 47.748,
142.145

 23, 47.748,
142.145

 93, 47.748,
142.145

 13, 47.748,
142.145

 3, 47.748, 142.145

 0, 47.748, 142.145

■ 53, 47.748,
142.145

■ 53, 47.748,
142.145

■ 52, 55.871,
140.968

■ 54, 38.961,
143.213

■ 52, 63.053,
139.724

■ 55, 29.747,
144.155

■ 51, 69.000,
138.496

■ 56, 20.309,
144.974

■ 51, 73.430,
137.399

■ 57, 10.809,
145.684

■ 51, 75.984,
136.774

■ 59, 1.372, 146.420

■ 60, 7.913, 326.750

■ 62, 16.983,
327.204

■ 64, 25.799,
327.585

■ 66, 34.339,
327.912

Harmonies

Complementary

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



53, 47.748, 142.145



41, 47.446, 329.135

Rectangle

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



53, 47.748, 142.145



53, 47.748, 192.145



53, 47.748, 322.145



53, 47.748, 12.145

Sweetspot

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



53, 47.749, 142.145



72, 17.481, 145.423



57, 39.978, 108.583



37, 11.893, 145.293



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, 47.749, 142.145



66, 69.237, 140.744



54, 32.280, 162.008



30, 5.341, 145.835



49, 73.289, 136.818



2, 3.594, 146.347

Inverse Universe

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



41, 47.446, 329.135



49, 68.154, 329.705



39, 34.959, 353.285



28, 5.351, 326.824



31, 68.412, 331.091



1, 3.594, 326.342

Previews

White Background



This preview shows how the CIELCh color 53, 47.748, 142.145 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 53, 47.748, 142.145 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, 47.748, 142.145

Background



This preview shows how black text looks on a background with the CIELCh color 53, 47.748, 142.145.



This preview shows how white text looks on a background with the CIELCh color 53, 47.748, 142.145.

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, 47.748, 142.145

Protanopia
53, 33.304, 95.605

Deuteranopia
53, 28.083, 75.579



Tritanopia
53, 17.493, 219.444

Trichromacy



Original Color
53, 47.748, 142.145

Protanomaly
52, 35.699, 119.486

Deuteranomaly
52, 29.006, 111.785

Tritanomaly
53, 23.778, 170.994

Monochromacy



Original Color
53, 47.748, 142.145

Achromatopsia
47, 0.006, 296.813

Achromatomaly
49, 18.407, 145.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 47.748, 142.145 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(69, 142, 74)` looks like.

```
.text, #text, p{  
    color:rgb(69, 142, 74)  
}
```

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(69, 142, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 142, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 47.748, 142.145 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(69, 142, 74) }
```

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

```
.border{ border-color:rgb(69, 142, 74) }
```

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

Here you see how a box with a 4 pixel rgb(69, 142, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 142, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 142, 74);  
box-shadow:4px 4px 4px 4px rgb(69, 142,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 47.748, 142.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 142, 74) }
```

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

```
.background{ background-color: rgb(69, 142,  
74) }
```

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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