

Converting Colors

CIELCh(47, 48.940, 131.096)

Have a look what the booklet for
CIELCh(47, 48.940, 131.096)
contains.

CIELCh(47, 48.956, 131.113)	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(47, 48.956, 131.113)

Conversions

Conversions Part 1

Format	Color
Hex	497C2D
RGB	73, 124, 45
RGB Percent	29%, 49%, 18%
CMY	0.7137, 0.5137, 0.8235
CMYK	0.41, 0.00, 0.64, 0.51
HSL	99°, 47%, 33%
HSV	99°, 64%, 49%
XYZ	10.4277, 16.0195, 5.0245
YIQ	99.7450, -5.0370, -35.3810

Conversions

Conversions Part 2

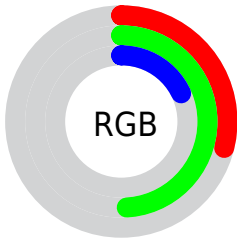
Format	Color
R_{YB}	45, 124, 96
Decimal	4815917
CIE _{Lab}	47.00, -32.19, 36.88
CIE _{LCh}	47, 48.956, 131.113
Yxy	16.0195, 0.3313, 0.5090
Android (android.graphics.Color)	4283005997 (0xFF497C2D)
YUV	99.7450, -26.9893, -23.4554
Hunter-Lab	40.0243, -23.5372, 20.5740

Details

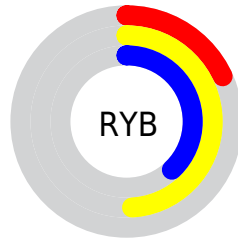
The CIELCh color $47, 48.956, 131.113$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $29, 51.696, 316.462$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 49.060, 131.161$, and $27, 46.688, 132.444$ is the 20% darker color. If you saturate the color by 10%, you get $47, 55.190, 130.882$, and if you desaturate by 10%, it is $48, 41.983, 131.509$.

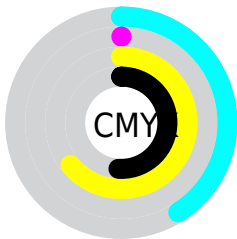
Distribution



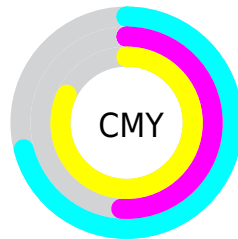
- Red (29%)
- Green (49%)
- Blue (18%)



- Red (18%)
- Yellow (49%)
- Blue (38%)



- Cyan (41%)
- Magenta (0%)
- Yellow (64%)
- Black (51%)





- Cyan (71%)
- Magenta (51%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 48.956, 131.113 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 47, 48.956, 131.113 by changing the saturation by 10% instead.


 47, 48.956,
131.113


 47, 48.956,
131.113


 100, 48.956,
131.113


 37, 48.956,
131.113

 67, 48.956,
131.113


 27, 48.956,
131.113

 77, 48.956,
131.113

 17, 48.956,
131.113

 87, 48.956,
131.113

 7, 48.956, 131.113

 97, 48.956,
131.113

 0, 48.956, 131.113

 47, 48.956,

 47, 48.956,

131.113

■ 47, 55.190,
130.882

■ 46, 60.375,
130.923

■ 46, 64.242,
131.333

■ 46, 66.384,
131.557

131.113

■ 48, 41.983,
131.509

■ 48, 34.524,
131.983

■ 49, 26.771,
132.481

■ 50, 18.859,
132.970

■ 51, 10.889,
133.432

■ 52, 2.933, 133.881

■ 53, 4.960, 314.196

■ 54, 12.751,
314.547

■ 55, 20.416,
314.848

Harmonies

Complementary

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



47, 48.956, 131.113



29, 51.696, 316.462

Rectangle

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



47, 48.956, 131.113



47, 48.956, 181.113



47, 48.956, 311.113



47, 48.956, 1.113

Sweetspot

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



47, 48.957, 131.114



64, 18.673, 133.170



42, 33.104, 80.028



33, 12.955, 133.058



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 48.957, 131.114



59, 69.369, 130.859



46, 49.533, 142.553



25, 4.418, 133.638



46, 66.759, 131.569



88, 113.368, 132.321

Inverse Universe

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



29, 51.696, 316.462



34, 73.762, 316.624



33, 48.734, 332.008



24, 4.458, 314.329



21, 71.177, 316.047



45, 120.258, 315.504

Previews

White Background



This preview shows how the CIELCh color 47, 48.956, 131.113 looks on a white 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

Black Background



This preview shows how the CIELCh color 47, 48.956, 131.113 looks on a black 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

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

CIELCh 47, 48.956, 131.113

Background



This preview shows how black text looks on a background with the CIELCh color 47, 48.956, 131.113.



This preview shows how white text looks on a background with the CIELCh color 47, 48.956, 131.113.

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

47, 48.956, 131.113

Protanopia

47, 39.754, 95.566

Deuteranopia

47, 35.505, 80.615



Tritanopia
47, 11.962, 224.992

Trichromacy



Original Color
47, 48.956, 131.113

Protanomaly
47, 41.319, 111.759

Deuteranomaly
46, 36.200, 104.381

Tritanomaly
47, 20.507, 155.744

Monochromacy



Original Color
47, 48.956, 131.113

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 19.086, 133.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 48.956, 131.113 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, 124, 45)` looks like.

```
.text, #text, p{  
    color:rgb(73, 124, 45)  
}
```

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, 124, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 124, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 48.956, 131.113 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, 124, 45) }
```

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

```
.border{ border-color:rgb(73, 124, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 124, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 124, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 124, 45);  
box-shadow:4px 4px 4px 4px rgb(73, 124,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 48.956, 131.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 124, 45) }
```

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

```
.background{ background-color: rgb(73, 124,  
45) }
```

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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