

Converting Colors

CIELCh(47, 43.932, 135.143)

Have a look what the booklet for
CIELCh(47, 43.932, 135.143)
contains.

CIELCh(47, 43.893, 135.167)	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, 43.893, 135.167)

Conversions

Conversions Part 1

Format	Color
Hex	487C39
RGB	72, 124, 57
RGB Percent	28%, 49%, 22%
CMY	0.7185, 0.5146, 0.7773
CMYK	0.42, 0.00, 0.54, 0.51
HSL	107°, 37%, 35%
HSV	107°, 54%, 49%
XYZ	10.5673, 16.0195, 6.3782
YIQ	100.8140, -9.4850, -31.8610

Conversions

Conversions Part 2

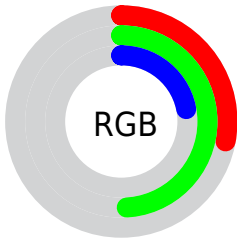
Format	Color
RYB	57, 124, 109
Decimal	4750393
CIELab	47.00, -31.13, 30.95
CIELCh	47, 43.893, 135.167
Yxy	16.0195, 0.3206, 0.4860
Android (android.graphics.Color)	4282940473 (0xFF487C39)
YUV	100.8140, -21.6003, -25.2699
Hunter-Lab	40.0243, -22.9146, 18.5686

Details

The CIELCh color $47, 43.893, 135.167$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $33, 44.934, 320.249$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 43.761, 135.119$, and $27, 43.803, 135.192$ is the 20% darker color. If you saturate the color by 10%, you get $46, 51.053, 134.589$, and if you desaturate by 10%, it is $48, 36.185, 135.787$.

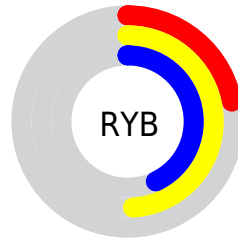
Distribution



Red (28%)

Green (49%)

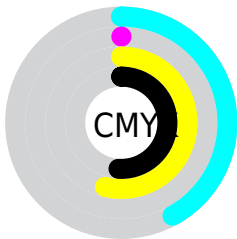
Blue (22%)



Red (22%)

Yellow (49%)

Blue (43%)

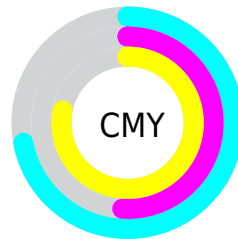


Cyan (42%)

Magenta (0%)

Yellow (54%)

Black (51%)



Cyan (72%)


Magenta (51%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 43.893, 135.167 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, 43.893, 135.167 by changing the saturation by 10% instead.

 47, 43.893,
135.167


 47, 43.893,
135.167


 100, 43.893,
135.167


 37, 43.893,
135.167

 67, 43.893,
135.167


 27, 43.893,
135.167

 77, 43.893,
135.167

 17, 43.893,
135.167

 87, 43.893,
135.167

 7, 43.893, 135.167

 97, 43.893,
135.167

 0, 43.893, 135.167

 47, 43.893,

 47, 43.893,

135.167

■ 46, 51.053,
134.589

■ 46, 57.387,
134.133

■ 46, 62.573,
133.908

■ 45, 66.347,
134.002

■ 45, 68.269,
133.986

135.167

■ 48, 36.185,
135.787

■ 48, 28.139,
136.395

■ 49, 19.915,
136.964

■ 50, 11.630,
137.483

■ 51, 3.371, 137.969

■ 53, 4.799, 318.298

■ 54, 12.837,
318.665

■ 55, 20.713,
318.971

■ 57, 28.407,
319.232

Harmonies

Complementary

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



47, 43.893, 135.167



33, 44.934, 320.249

Rectangle

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



47, 43.893, 135.167



47, 43.893, 185.167



47, 43.893, 315.167



47, 43.893, 5.167

Sweetspot

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



47, 43.894, 135.168



64, 16.330, 137.369



46, 30.743, 91.924



33, 11.116, 137.285



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, 43.894, 135.168



59, 63.691, 134.463



47, 38.819, 148.090



25, 4.587, 137.728



45, 68.746, 133.997



87, 116.547, 134.547

Inverse Universe

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



33, 44.934, 320.249



39, 65.246, 320.540



34, 38.908, 336.830



24, 4.614, 318.455



24, 69.600, 320.134



50, 117.374, 319.735

Previews

White Background



This preview shows how the CIELCh color 47, 43.893, 135.167 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, 43.893, 135.167 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, 43.893, 135.167

Background



This preview shows how black text looks on a background with the CIELCh color 47, 43.893, 135.167.



This preview shows how white text looks on a background with the CIELCh color 47, 43.893, 135.167.

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, 43.893, 135.167

Protanopia
47, 33.730, 95.750

Deuteranopia
47, 29.507, 78.624



Tritanopia
47, 12.746, 226.199

Trichromacy



Original Color
47, 43.893, 135.167

Protanomaly
47, 35.563, 114.334

Deuteranomaly
46, 29.942, 105.974

Tritanomaly
47, 18.777, 162.788

Monochromacy



Original Color
47, 43.893, 135.167

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 16.453, 137.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 43.893, 135.167 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(72, 124, 57)` looks like.

```
.text, #text, p{  
    color:rgb(72, 124, 57)  
}
```

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(72, 124, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 124, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 43.893, 135.167 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(72, 124, 57) }
```

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

```
.border{ border-color:rgb(72, 124, 57) }
```

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

Here you see how a box with a 4 pixel rgb(72, 124, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 124, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 124, 57);  
box-shadow:4px 4px 4px 4px rgb(72, 124,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 43.893, 135.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 124, 57) }
```

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

```
.background{ background-color: rgb(72, 124,  
57) }
```

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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