

Converting Colors

CIELCh(47, 21.963, 143.605)

Have a look what the booklet for
CIELCh(47, 21.963, 143.605)
contains.

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Color

CIELCh(47, 21.889, 143.638)

Conversions

Conversions Part 1

Format	Color
Hex	587759
RGB	88, 119, 89
RGB Percent	35%, 47%, 35%
CMY	0.6545, 0.5329, 0.6506
CMYK	0.26, 0.00, 0.25, 0.53
HSL	122°, 15%, 41%
HSV	122°, 26%, 47%
XYZ	12.4493, 16.0195, 11.9078
YIQ	106.3110, -8.8460, -15.9020

Conversions

Conversions Part 2

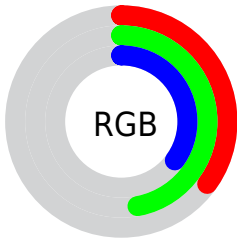
Format	Color
R_{YB}	88, 118, 119
Decimal	5797721
CIE _{Lab}	47.00, -17.63, 12.98
CIE _{LCh}	47, 21.889, 143.638
Yxy	16.0195, 0.3083, 0.3968
Android (android.graphics.Color)	4283987801 (0xFF587759)
YUV	106.3110, -8.5343, -16.0587
Hunter-Lab	40.0243, -14.5214, 10.3775

Details

The CIELCh color $47, 21.889, 143.638$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $42, 21.902, 326.682$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 21.604, 143.281$, and $27, 21.794, 143.568$ is the 20% darker color. If you saturate the color by 10%, you get $46, 30.211, 142.796$, and if you desaturate by 10%, it is $48, 13.456, 144.370$.

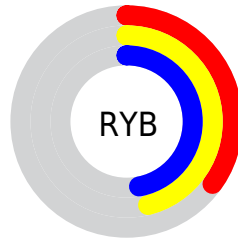
Distribution



Red (35%)

Green (47%)

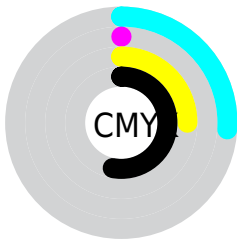
Blue (35%)



Red (35%)

Yellow (46%)

Blue (47%)

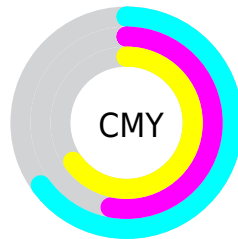


Cyan (26%)

Magenta (0%)

Yellow (25%)

Black (53%)



Cyan (65%)

Magenta (53%)

Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 21.889, 143.638 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, 21.889, 143.638 by changing the saturation by 10% instead.

 47, 21.889,
143.638

 47, 21.889,
143.638

 100, 21.889,
143.638


 37, 21.889,
143.638

 67, 21.889,
143.638


 27, 21.889,
143.638

 77, 21.889,
143.638

 17, 21.889,
143.638

 87, 21.889,
143.638

 7, 21.889, 143.638

 97, 21.889,
143.638

 0, 21.889, 143.638

 47, 21.889,

 47, 21.889,

143.638

143.638

■ 46, 30.211,
142.796

■ 48, 13.456,
144.370

■ 45, 38.259,
141.838

■ 49, 5.032, 145.016

■ 45, 45.835,
140.773

■ 51, 3.290, 325.457

■ 52, 11.445,
325.952

■ 44, 52.703,
139.637

■ 54, 19.390,
326.347

■ 44, 58.594,
138.497

■ 55, 27.100,
326.683

■ 43, 63.223,
137.460

■ 57, 34.563,
326.972

■ 43, 66.408,
136.688

■ 59, 41.777,
327.220

■ 43, 67.503,
136.455

■ 61, 48.746,
327.436

Harmonies

Complementary

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



47, 21.889, 143.638



42, 21.902, 326.682

Rectangle

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



47, 21.889, 143.638



47, 21.889, 193.638



47, 21.889, 323.638



47, 21.889, 13.638

Sweetspot

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



47, 21.890, 143.638



63, 8.317, 144.879



49, 17.972, 108.499



33, 5.962, 144.798



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 21.890, 143.638



60, 32.402, 143.168



47, 15.262, 162.302



24, 4.647, 144.828



44, 68.860, 136.441



86, 117.445, 136.195

Inverse Universe

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



42, 21.902, 326.682



52, 32.400, 326.984



41, 15.781, 346.833



23, 4.655, 325.765



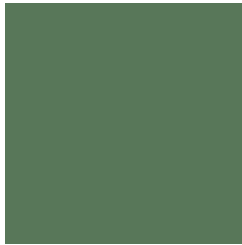
28, 65.515, 329.507



59, 110.923, 329.580

Previews

White Background



This preview shows how the CIELCh color 47, 21.889, 143.638 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, 21.889, 143.638 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

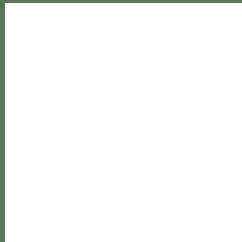
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 21.889, 143.638

Background



This preview shows how black text looks on a background with the CIELCh color 47, 21.889, 143.638.



This preview shows how white text looks on a background with the CIELCh color 47, 21.889, 143.638.

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, 21.889, 143.638

Protanopia

47, 15.691, 94.929

Deuteranopia

47, 13.248, 61.713



Tritanopia
47, 9.334, 233.674

Trichromacy



Original Color
47, 21.889, 143.638

Protanomaly
47, 16.603, 116.988

Deuteranomaly
47, 11.843, 102.205

Tritanomaly
47, 9.896, 180.846

Monochromacy



Original Color
47, 21.889, 143.638

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 8.242, 146.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 21.889, 143.638 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(88, 119, 89)` looks like.

```
.text, #text, p{  
    color:rgb(88, 119, 89)  
}
```

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(88, 119, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 119, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 21.889, 143.638 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(88, 119, 89) }
```

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

```
.border{ border-color:rgb(88, 119, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 119, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 119, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 119, 89);  
box-shadow:4px 4px 4px 4px rgb(88, 119,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 21.889, 143.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 119, 89) }
```

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

```
.background{ background-color: rgb(88, 119,  
89) }
```

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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