

Converting Colors

CIELCh(47, 23.052, 143.141)

Have a look what the booklet for
CIELCh(47, 23.052, 143.141)
contains.

CIELCh(47, 22.609, 143.545)	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, 22.609, 143.545)

Conversions

Conversions Part 1

Format	Color
Hex	577758
RGB	87, 119, 88
RGB Percent	34%, 47%, 35%
CMY	0.6576, 0.5321, 0.6537
CMYK	0.27, 0.00, 0.26, 0.53
HSL	122°, 15%, 41%
HSV	122°, 27%, 47%
XYZ	12.3674, 16.0195, 11.7381
YIQ	105.8980, -9.1210, -16.4250

Conversions

Conversions Part 2

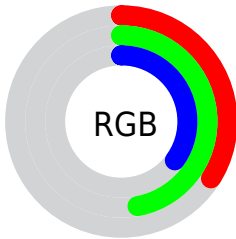
Format	Color
R_{YB}	87, 118, 119
Decimal	5732184
CIE _{Lab}	47.00, -18.18, 13.43
CIE _{LCh}	47, 22.609, 143.545
Yxy	16.0195, 0.3082, 0.3992
Android (android.graphics.Color)	4283922264 (0xFF577758)
YUV	105.8980, -8.8237, -16.5735
Hunter-Lab	40.0243, -14.8867, 10.6288

Details

The CIELCh color $47, 22.609, 143.545$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $41, 22.621, 326.694$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 22.283, 143.238$, and $27, 22.559, 143.377$ is the 20% darker color. If you saturate the color by 10%, you get $46, 30.934, 142.694$, and if you desaturate by 10%, it is $48, 14.161, 144.285$.

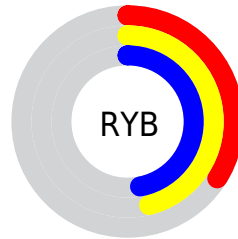
Distribution



Red (34%)

Green (47%)

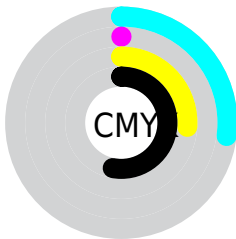
Blue (35%)



Red (34%)

Yellow (46%)

Blue (47%)

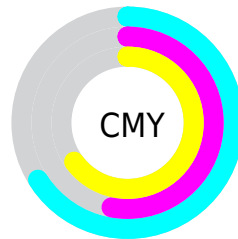


Cyan (27%)

Magenta (0%)

Yellow (26%)

Black (53%)



Cyan (66%)

Magenta (53%)

Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 22.609, 143.545 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, 22.609, 143.545 by changing the saturation by 10% instead.

 47, 22.609,
143.545

 47, 22.609,
143.545


 100, 22.609,
143.545


 37, 22.609,
143.545

 67, 22.609,
143.545

 27, 22.609,
143.545

 77, 22.609,
143.545

 17, 22.609,
143.545

 87, 22.609,
143.545

 7, 22.609, 143.545

 97, 22.609,
143.545

 0, 22.609, 143.545

 47, 22.609,

 47, 22.609,

143.545

■ 46, 30.934,
142.694

■ 45, 38.969,
141.727

■ 45, 46.513,
140.656

■ 44, 53.325,
139.518

■ 44, 59.131,
138.385

■ 43, 63.648,
137.365

■ 43, 66.738,
136.627

■ 43, 67.616,
136.439

143.545

■ 48, 14.161,
144.285

■ 49, 5.713, 144.935

■ 51, 2.638, 325.374

■ 52, 10.826,
325.887

■ 54, 18.807,
326.287

■ 55, 26.553,
326.628

■ 57, 34.053,
326.919

■ 59, 41.303,
327.170

■ 60, 48.305,
327.388

Harmonies

Complementary

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



47, 22.609, 143.545



41, 22.621, 326.694

Rectangle

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



47, 22.609, 143.545



47, 22.609, 193.545



47, 22.609, 323.545



47, 22.609, 13.545

Sweetspot

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



47, 22.610, 143.545



63, 8.323, 144.849



49, 18.542, 108.427



33, 5.967, 144.768



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, 22.610, 143.545



60, 33.461, 143.051



47, 15.745, 162.222



24, 4.650, 144.798



44, 68.884, 136.427



86, 117.462, 136.189

Inverse Universe

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



41, 22.621, 326.694



51, 33.453, 327.005



41, 16.297, 346.915



23, 4.658, 325.734



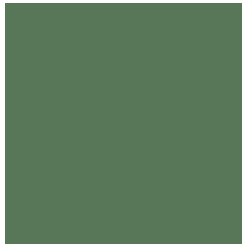
28, 65.569, 329.462



59, 111.020, 329.533

Previews

White Background



This preview shows how the CIELCh color 47, 22.609, 143.545 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 CIE LCh color 47, 22.609, 143.545 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, 22.609, 143.545

Background



This preview shows how black text looks on a background with the CIELCh color 47, 22.609, 143.545.



This preview shows how white text looks on a background with the CIELCh color 47, 22.609, 143.545.

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, 22.609, 143.545

Protanopia

47, 16.260, 95.281

Deuteranopia

47, 13.678, 63.379



Tritanopia
47, 9.334, 233.674

Trichromacy



Original Color
47, 22.609, 143.545

Protanomaly
47, 16.683, 118.446

Deuteranomaly
47, 12.425, 102.403

Tritanomaly
47, 10.465, 178.372

Monochromacy



Original Color
47, 22.609, 143.545

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, 22.609, 143.545 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(87, 119, 88)` looks like.

```
.text, #text, p{  
    color:rgb(87, 119, 88)  
}
```

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(87, 119, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 119, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 22.609, 143.545 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(87, 119, 88) }
```

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

```
.border{ border-color:rgb(87, 119, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 119, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 119, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 119, 88);  
box-shadow:4px 4px 4px 4px rgb(87, 119,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 22.609, 143.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 119, 88) }
```

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

```
.background{ background-color: rgb(87, 119,  
88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor