

Converting Colors

CIELCh(47, 25.350, 143.344)

Have a look what the booklet for
CIELCh(47, 25.350, 143.344)
contains.

CIELCh(47, 25.445, 143.197)	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, 25.445, 143.197)

Conversions

Conversions Part 1

Format	Color
Hex	547855
RGB	84, 120, 85
RGB Percent	33%, 47%, 33%
CMY	0.6700, 0.5288, 0.6661
CMYK	0.30, 0.00, 0.29, 0.53
HSL	122°, 18%, 40%
HSV	122°, 30%, 47%
XYZ	12.0496, 16.0195, 11.0814
YIQ	105.2460, -10.2210, -18.5170

Conversions

Conversions Part 2

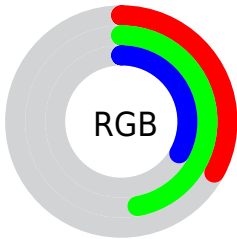
Format	Color
R_{YB}	84, 119, 120
Decimal	5535829
CIE _{Lab}	47.00, -20.37, 15.24
CIE _{LCh}	47, 25.445, 143.197
Yxy	16.0195, 0.3078, 0.4092
Android (android.graphics.Color)	4283725909 (0xFF547855)
YUV	105.2460, -9.9813, -18.6327
Hunter-Lab	40.0243, -16.3038, 11.6015

Details

The CIELCh color $47, 25.445, 143.197$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $41, 25.449, 326.762$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 24.967, 143.071$, and $27, 25.022, 143.508$ is the 20% darker color. If you saturate the color by 10%, you get $46, 33.764, 142.310$, and if you desaturate by 10%, it is $48, 16.953, 143.971$.

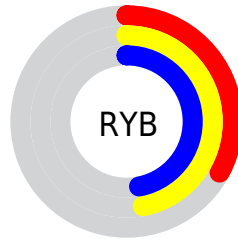
Distribution



Red (33%)

Green (47%)

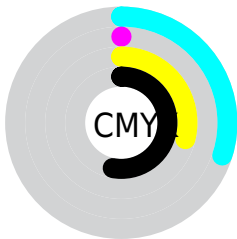
Blue (33%)



Red (33%)

Yellow (47%)

Blue (47%)

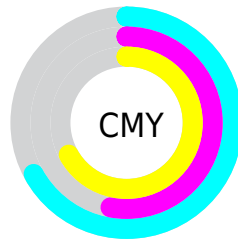


Cyan (30%)

Magenta (0%)

Yellow (29%)

Black (53%)



Cyan (67%)


Magenta (53%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 25.445, 143.197 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, 25.445, 143.197 by changing the saturation by 10% instead.


 47, 25.445,
143.197


 47, 25.445,
143.197


 100, 25.445,
143.197


 37, 25.445,
143.197

 67, 25.445,
143.197


 27, 25.445,
143.197

 77, 25.445,
143.197

 17, 25.445,
143.197

 87, 25.445,
143.197

 7, 25.445, 143.197

 97, 25.445,
143.197

 0, 25.445, 143.197

 47, 25.445,

 47, 25.445,

143.197

143.197

■ 46, 33.764,
142.310

■ 48, 16.953,
143.971

■ 45, 41.728,
141.309

■ 49, 8.425, 144.644

■ 45, 49.120,
140.213

■ 50, 0.033, 319.711

■ 52, 8.345, 325.651

■ 44, 55.685,
139.073

■ 53, 16.459,
326.075

■ 44, 61.134,
137.973

■ 55, 24.343,
326.431

■ 44, 65.186,
137.033

■ 57, 31.981,
326.736

■ 43, 68.027,
136.392

■ 58, 39.367,
326.998

■ 43, 68.036,
136.390

■ 60, 46.502,

Harmonies

Complementary

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



47, 25.445, 143.197



41, 25.449, 326.762

Rectangle

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



47, 25.445, 143.197



47, 25.445, 193.197



47, 25.445, 323.197



47, 25.445, 13.197

Sweetspot

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



47, 25.446, 143.197



63, 9.392, 144.692



50, 20.790, 108.145



33, 6.583, 144.615



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, 25.446, 143.197



59, 37.653, 142.596



47, 17.648, 161.898



25, 4.830, 144.700



45, 70.002, 136.374



87, 118.429, 136.168

Inverse Universe

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



41, 25.449, 326.762



50, 37.618, 327.116



40, 18.339, 347.247



24, 4.839, 325.644



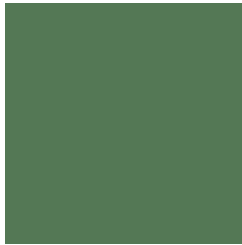
29, 66.716, 329.326



59, 112.181, 329.387

Previews

White Background



This preview shows how the CIELCh color 47, 25.445, 143.197 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, 25.445, 143.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

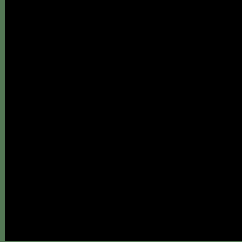
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 25.445, 143.197

Background



This preview shows how black text looks on a background with the CIELCh color 47, 25.445, 143.197.



This preview shows how white text looks on a background with the CIELCh color 47, 25.445, 143.197.

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, 25.445, 143.197

Protanopia

47, 17.969, 96.170

Deuteranopia

47, 15.345, 66.506



Tritanopia
47, 10.206, 230.246

Trichromacy



Original Color
47, 25.445, 143.197

Protanomaly
47, 18.472, 118.615

Deuteranomaly
47, 14.679, 106.421

Tritanomaly
47, 11.744, 177.378

Monochromacy



Original Color
47, 25.445, 143.197

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 9.706, 145.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 25.445, 143.197 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(84, 120, 85)` looks like.

```
.text, #text, p{  
    color:rgb(84, 120, 85)  
}
```

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(84, 120, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 120, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 25.445, 143.197 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(84, 120, 85) }
```

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

```
.border{ border-color:rgb(84, 120, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 120, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 120, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 120, 85);  
box-shadow:4px 4px 4px 4px rgb(84, 120,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 25.445, 143.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 120, 85) }
```

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

```
.background{ background-color: rgb(84, 120,  
85) }
```

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