

Converting Colors

CIELCh(47, 32.391, 134.228)

Have a look what the booklet for
CIELCh(47, 32.391, 134.228)
contains.

CIELCh(47, 32.769, 134.364)	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, 32.769, 134.364)

Conversions

Conversions Part 1

Format	Color
Hex	557947
RGB	85, 121, 71
RGB Percent	33%, 47%, 28%
CMY	0.6672, 0.5260, 0.7221
CMYK	0.30, 0.00, 0.41, 0.53
HSL	103°, 26%, 38%
HSV	103°, 41%, 47%
XYZ	11.6879, 16.0195, 8.4158
YIQ	104.5360, -5.4060, -23.1820

Conversions

Conversions Part 2

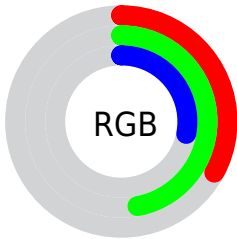
Format	Color
R_{YB}	71, 121, 107
Decimal	5601607
CIE _{Lab}	47.00, -22.91, 23.43
CIE _{LCh}	47, 32.769, 134.364
Yxy	16.0195, 0.3236, 0.4435
Android (android.graphics.Color)	4283791687 (0xFF557947)
YUV	104.5360, -16.5332, -17.1331
Hunter-Lab	40.0243, -17.9169, 15.5503

Details

The CIELCh color $47, 32.769, 134.364$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $36, 33.656, 318.051$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 33.092, 134.379$, and $27, 32.680, 134.455$ is the 20% darker color. If you saturate the color by 10%, you get $46, 40.325, 133.813$, and if you desaturate by 10%, it is $48, 24.951, 134.912$.

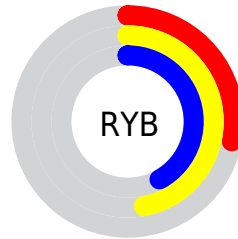
Distribution



Red (33%)

Green (47%)

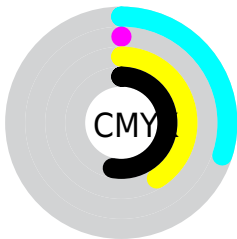
Blue (28%)



Red (28%)

Yellow (47%)

Blue (42%)

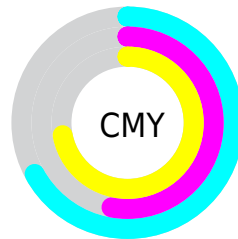


Cyan (30%)

Magenta (0%)

Yellow (41%)

Black (53%)



Cyan (67%)

Magenta (53%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 32.769, 134.364 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, 32.769, 134.364 by changing the saturation by 10% instead.

 47, 32.769,
134.364


 47, 32.769,
134.364


 100, 32.769,
134.364


 37, 32.769,
134.364

 67, 32.769,
134.364

 27, 32.769,
134.364

 77, 32.769,
134.364

 17, 32.769,
134.364

 87, 32.769,
134.364

 7, 32.769, 134.364

 97, 32.769,
134.364

 0, 32.769, 134.364

 47, 32.769,

 47, 32.769,

134.364

134.364

■ 46, 40.325,
133.813

■ 48, 24.951,
134.912

■ 46, 47.433,
133.303

■ 49, 17.001,
135.429

■ 45, 53.855,
132.909

■ 50, 9.016, 135.906

■ 45, 59.289,
132.732

■ 51, 1.070, 136.433

■ 52, 6.789, 316.667

■ 44, 63.429,
132.886

■ 53, 14.523,
317.004

■ 44, 66.331,
133.043

■ 54, 22.109,
317.292

■ 55, 29.529,
317.540

■ 57, 36.777,

317.753

Harmonies

Complementary

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



47, 32.769, 134.364



36, 33.656, 318.051

Rectangle

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



47, 32.769, 134.364



47, 32.769, 184.364



47, 32.769, 314.364



47, 32.769, 4.364

Sweetspot

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



47, 32.770, 134.365



64, 11.869, 135.862



46, 22.136, 89.911



33, 7.833, 135.817



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, 32.770, 134.365



60, 48.912, 133.819



46, 30.676, 147.839



25, 4.511, 136.010



46, 67.970, 133.087



88, 115.340, 133.734

Inverse Universe

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



36, 33.656, 318.051



43, 50.502, 318.406



37, 30.796, 333.758



24, 4.544, 316.713



22, 70.226, 318.304



48, 118.520, 317.833

Previews

White Background



This preview shows how the CIELCh color 47, 32.769, 134.364 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, 32.769, 134.364 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, 32.769, 134.364

Background



This preview shows how black text looks on a background with the CIELCh color 47, 32.769, 134.364.



This preview shows how white text looks on a background with the CIELCh color 47, 32.769, 134.364.

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, 32.769, 134.364

Protanopia

47, 26.026, 96.301

Deuteranopia

47, 22.877, 74.288



Tritanopia
47, 9.334, 233.674

Trichromacy



Original Color
47, 32.769, 134.364

Protanomaly
47, 27.309, 113.126

Deuteranomaly
46, 22.265, 102.357

Tritanomaly
47, 12.655, 163.873

Monochromacy



Original Color
47, 32.769, 134.364

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 12.048, 135.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 32.769, 134.364 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(85, 121, 71)` looks like.

```
.text, #text, p{  
    color:rgb(85, 121, 71)  
}
```

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(85, 121, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 121, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 32.769, 134.364 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(85, 121, 71) }
```

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

```
.border{ border-color:rgb(85, 121, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 121, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 121, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 121, 71);  
box-shadow:4px 4px 4px 4px rgb(85, 121,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 32.769, 134.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 121, 71) }
```

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

```
.background{ background-color: rgb(85, 121,  
71) }
```

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