

Converting Colors

CIELCh(47, 44.670, 125.731)

Have a look what the booklet for
CIELCh(47, 44.670, 125.731)
contains.

CIELCh(47, 44.654, 125.750)	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, 44.654, 125.750)

Conversions

Conversions Part 1

Format	Color
Hex	567A2F
RGB	86, 122, 47
RGB Percent	34%, 48%, 18%
CMY	0.6638, 0.5226, 0.8167
CMYK	0.30, 0.00, 0.62, 0.52
HSL	89°, 45%, 33%
HSV	89°, 62%, 48%
XYZ	11.2457, 16.0195, 5.1610
YIQ	102.6860, 2.6190, -30.9570

Conversions

Conversions Part 2

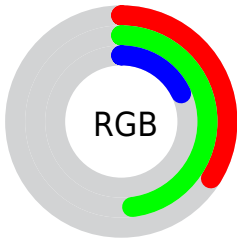
Format	Color
RYB	47, 122, 83
Decimal	5667375
CIELab	47.00, -26.09, 36.24
CIELCh	47, 44.654, 125.750
Yxy	16.0195, 0.3468, 0.4940
Android (android.graphics.Color)	4283857455 (0xFF567A2F)
YUV	102.6860, -27.4532, -14.6336
Hunter-Lab	40.0243, -19.8893, 20.3717




Details

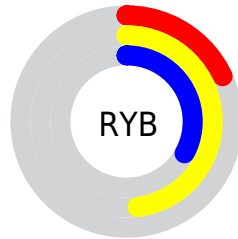
The CIELCh color $47, 44.654, 125.750$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $27, 49.042, 311.457$, and the grayscale version is $43, 0.006, 296.813$.




A 20% lighter version of the original color is $67, 44.860, 125.843$, and $27, 43.534, 126.643$ is the 20% darker color. If you saturate the color by 10%, you get $47, 50.663, 125.604$, and if you desaturate by 10%, it is $48, 38.011, 126.072$.

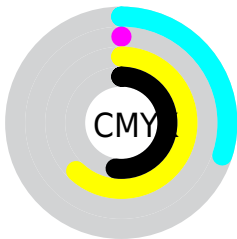
Distribution







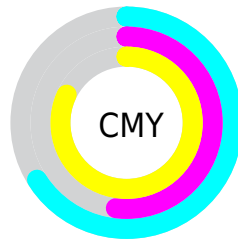
-  Red (34%)
-  Green (48%)
-  Blue (18%)






-  Red (18%)
-  Yellow (48%)
-  Blue (33%)



-  Cyan (30%)
-  Magenta (0%)
-  Yellow (62%)
-  Black (52%)




-  Cyan (66%)
-  Magenta (52%)
-  Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 44.654, 125.750 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, 44.654, 125.750 by changing the saturation by 10% instead.

 47, 44.654,
125.750

 47, 44.654,
125.750


 100, 44.654,
125.750

 37, 44.654,
125.750

 67, 44.654,
125.750

 27, 44.654,
125.750

 77, 44.654,
125.750

 17, 44.654,
125.750

 87, 44.654,
125.750

 7, 44.654, 125.750

 97, 44.654,
125.750

 0, 44.654, 125.750

 47, 44.654,

 47, 44.654,

125.750

■ 47, 50.663,
125.604

■ 46, 55.751,
125.732

■ 46, 59.631,
126.249

■ 46, 62.363,
126.774

125.750

■ 48, 38.011,
126.072

■ 48, 30.955,
126.489

■ 49, 23.648,
126.949

■ 49, 16.203,
127.419

■ 50, 8.699, 127.879

■ 51, 1.193, 128.369

■ 52, 6.276, 308.695

■ 53, 13.678,
309.073

■ 54, 20.993,

Harmonies

Complementary

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



47, 44.654, 125.750



27, 49.042, 311.457

Rectangle

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



47, 44.654, 125.750



47, 44.654, 175.750



47, 44.654, 305.750



47, 44.654, 355.750

Sweetspot

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



47, 44.655, 125.751



63, 16.725, 127.566



38, 29.905, 64.760



32, 11.557, 127.454



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, 44.655, 125.751



59, 64.000, 125.618



45, 51.226, 138.770



25, 4.240, 127.994



47, 63.571, 126.818



89, 107.890, 127.688

Inverse Universe

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



27, 49.042, 311.457



31, 71.934, 311.966



33, 50.899, 326.370



24, 4.297, 308.754



18, 73.612, 311.832



40, 124.634, 311.239

Previews

White Background



This preview shows how the CIELCh color 47, 44.654, 125.750 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, 44.654, 125.750 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, 44.654, 125.750

Background



This preview shows how black text looks on a background with the CIELCh color 47, 44.654, 125.750.



This preview shows how white text looks on a background with the CIELCh color 47, 44.654, 125.750.

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

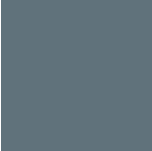
47, 44.654, 125.750

Protanopia

47, 38.330, 95.456

Deuteranopia

47, 35.013, 80.354



Tritanopia
47, 8.494, 237.873

Trichromacy



Original Color
47, 44.654, 125.750

Protanomaly
47, 39.173, 108.248

Deuteranomaly
47, 35.347, 100.610

Tritanomaly
47, 16.648, 146.524

Monochromacy



Original Color
47, 44.654, 125.750

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 16.967, 127.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 44.654, 125.750 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(86, 122, 47)` looks like.

```
.text, #text, p{  
    color:rgb(86, 122, 47)  
}
```

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(86, 122, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 122, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 44.654, 125.750 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(86, 122, 47) }
```

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

```
.border{ border-color:rgb(86, 122, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 122, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 122, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 122, 47);  
box-shadow:4px 4px 4px 4px rgb(86, 122,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 44.654, 125.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 122, 47) }
```

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

```
.background{ background-color: rgb(86, 122,  
47) }
```

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