

Converting Colors

CIELCh(47, 30.350, 117.042)

Have a look what the booklet for
CIELCh(47, 30.350, 117.042)
contains.

CIELCh(47, 30.402, 117.277)	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, 30.402, 117.277)

Conversions

Conversions Part 1

Format	Color
Hex	687541
RGB	104, 117, 65
RGB Percent	41%, 46%, 25%
CMY	0.5925, 0.5415, 0.7454
CMYK	0.11, 0.00, 0.44, 0.54
HSL	75°, 29%, 36%
HSV	75°, 44%, 46%
XYZ	13.0005, 16.0195, 7.3949
YIQ	107.1850, 8.9440, -18.9280

Conversions

Conversions Part 2

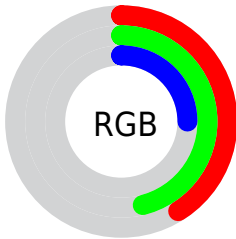
Format	Color
RYB	65, 117, 78
Decimal	6845761
CIELab	47.00, -13.93, 27.02
CIELCh	47, 30.402, 117.277
Yxy	16.0195, 0.3570, 0.4399
Android (android.graphics.Color)	4285035841 (0xFF687541)
YUV	107.1850, -20.7972, -2.7932
Hunter-Lab	40.0243, -12.0630, 17.0626

Details

The CIELCh color $47, 30.402, 117.277$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $31, 33.468, 303.356$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 30.301, 117.328$, and $27, 30.413, 117.906$ is the 20% darker color. If you saturate the color by 10%, you get $47, 36.731, 116.773$, and if you desaturate by 10%, it is $47, 23.778, 117.850$.

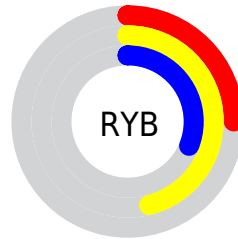
Distribution



Red (41%)

Green (46%)

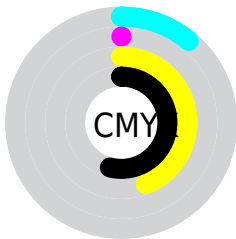
Blue (25%)



Red (25%)

Yellow (46%)

Blue (31%)

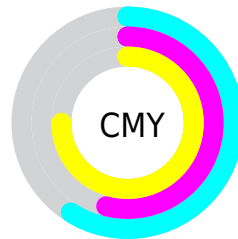


Cyan (11%)

Magenta (0%)

Yellow (44%)

Black (54%)



Cyan (59%)


Magenta (54%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 30.402, 117.277 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, 30.402, 117.277 by changing the saturation by 10% instead.

 47, 30.402,
117.277


 47, 30.402,
117.277


 100, 30.402,
117.277


 37, 30.402,
117.277

 67, 30.402,
117.277


 27, 30.402,
117.277

 77, 30.402,
117.277

 17, 30.402,
117.277

 87, 30.402,
117.277

 7, 30.402, 117.277

 97, 30.402,
117.277

 0, 30.402, 117.277

 47, 30.402,

 47, 30.402,

117.277

117.277

■ 47, 36.731,
116.773

■ 47, 23.778,
117.850

■ 46, 42.591,
116.383

■ 48, 16.973,
118.451

■ 46, 47.751,
116.178

■ 48, 10.065,
119.057

■ 46, 51.926,
116.244

■ 49, 3.110, 119.658

■ 45, 54.927,
116.642

■ 50, 3.854, 300.222

■ 45, 56.475,
116.865

■ 50, 10.802,
300.775

■ 51, 17.714,
301.295

■ 52, 24.574,
301.783

■ 52, 31.371,
302.239

Harmonies

Complementary

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



47, 30.402, 117.277



31, 33.468, 303.356

Rectangle

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



47, 30.402, 117.277



47, 30.402, 167.277



47, 30.402, 297.277



47, 30.402, 347.277

Sweetspot

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



47, 30.403, 117.279



62, 11.270, 119.126



37, 20.574, 44.273



32, 7.837, 119.017



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 30.403, 117.279



60, 44.553, 116.778



45, 34.528, 135.053



24, 3.926, 119.385



47, 58.380, 116.926



91, 99.339, 117.620

Inverse Universe

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



31, 33.468, 303.356



36, 50.411, 304.350



34, 35.376, 319.097



22, 3.998, 300.465



14, 75.730, 308.029



34, 129.176, 307.591

Previews

White Background



This preview shows how the CIE LCh color 47, 30.402, 117.277 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, 30.402, 117.277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

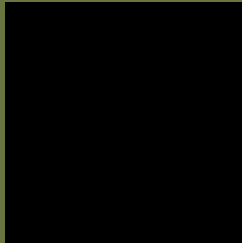
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 30.402, 117.277

Background



This preview shows how black text looks on a background with the CIELCh color 47, 30.402, 117.277.



This preview shows how white text looks on a background with the CIELCh color 47, 30.402, 117.277.

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, 30.402, 117.277

Protanopia

47, 28.314, 95.783

Deuteranopia

47, 26.960, 76.451



Tritanopia
47, 4.739, 290.830

Trichromacy



Original Color
47, 30.402, 117.277

Protanomaly
47, 28.291, 104.361

Deuteranomaly
47, 26.499, 92.273

Tritanomaly
47, 8.523, 123.322

Monochromacy



Original Color
47, 30.402, 117.277

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 11.422, 119.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 30.402, 117.277 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(104, 117, 65)` looks like.

```
.text, #text, p{  
    color:rgb(104, 117, 65)  
}
```

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(104, 117, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 117, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 30.402, 117.277 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(104, 117, 65) }
```

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

```
.border{ border-color:rgb(104, 117, 65) }
```

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

Here you see how a box with a 4 pixel rgb(104, 117, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 117, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 117, 65);  
box-shadow:4px 4px 4px 4px rgb(104, 117,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 30.402, 117.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 117, 65) }
```

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

```
.background{ background-color: rgb(104,  
117, 65) }
```

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