

Converting Colors

CIELCh(47, 30.399, 302.563)

Have a look what the booklet for
CIELCh(47, 30.399, 302.563)
contains.

CIELCh(47, 30.089, 302.652)	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, 30.089, 302.652)

Conversions

Conversions Part 1

Format	Color
Hex	75689A
RGB	117, 104, 154
RGB Percent	46%, 41%, 60%
CMY	0.5411, 0.5921, 0.3960
CMYK	0.24, 0.32, 0.00, 0.40
HSL	256°, 20%, 51%
HSV	256°, 32%, 60%
XYZ	18.1233, 16.0195, 32.7146
YIQ	113.5870, -8.3020, 18.3060

Conversions

Conversions Part 2

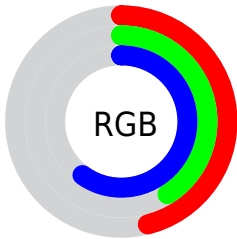
Format	Color
R_{YB}	117, 104, 154
Decimal	7694490
CIE Lab	47.00, 16.23, -25.33
CIE LCh	47, 30.089, 302.652
Yxy	16.0195, 0.2711, 0.2396
Android (android.graphics.Color)	4285884570 (0xFF75689A)
YUV	113.5870, 19.9236, 2.9932
Hunter-Lab	40.0243, 10.7834, -20.4448

Details

The CIELCh color $47, 30.089, 302.652$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $61, 28.127, 118.328$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 30.435, 302.748$, and $27, 30.214, 302.308$ is the 20% darker color. If you saturate the color by 10%, you get $42, 40.014, 303.577$, and if you desaturate by 10%, it is $52, 20.457, 301.818$.

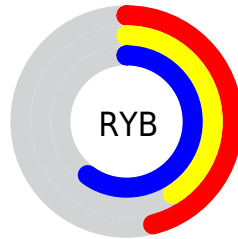
Distribution



Red (46%)

Green (41%)

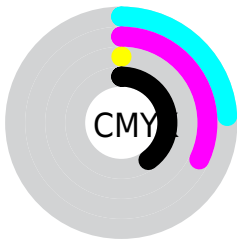
Blue (60%)



Red (46%)

Yellow (41%)

Blue (60%)

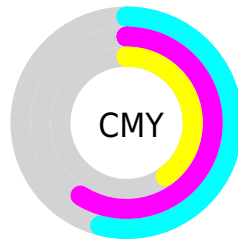


Cyan (24%)

Magenta (32%)

Yellow (0%)

Black (40%)



Cyan (54%)


Magenta (59%)

Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 30.089, 302.652 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, 30.089, 302.652 by changing the saturation by 10% instead.


 47, 30.089,
302.652


 47, 30.089,
302.652


 100, 30.089,
302.652


 37, 30.089,
302.652

 67, 30.089,
302.652


 27, 30.089,
302.652

 77, 30.089,
302.652

 17, 30.089,
302.652

 87, 30.089,
302.652

 7, 30.089, 302.652

 97, 30.089,
302.652

 0, 30.089, 302.652

 47, 30.089,

 47, 30.089,

302.652

42, 40.014,
303.577

37, 50.149,
304.576

32, 60.299,
305.606

28, 70.078,
306.582

24, 78.812,
307.367

21, 85.549,
307.776

19, 89.554,
307.961

302.652

52, 20.457,
301.818

57, 11.151,
301.080

62, 2.171, 300.423

67, 6.491, 119.878

72, 14.851,
119.388

78, 22.927,
118.966

82, 30.736,
118.602

87, 38.294,
118.289

■ 92, 45.618,
118.020

Harmonies

Complementary

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



47, 30.089, 302.652



61, 28.127, 118.328

Rectangle

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



47, 30.089, 302.652



47, 30.089, 352.652



47, 30.089, 122.652



47, 30.089, 172.652

Sweetspot

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



47, 30.088, 302.652



75, 11.090, 300.925



57, 14.610, 227.816



39, 7.644, 301.014



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



47, 30.088, 302.652



56, 45.540, 303.321



49, 32.376, 318.663



30, 5.001, 300.859



17, 83.557, 308.031



0, 5.322, 300.122

Inverse Universe

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



50, 28.781, 334.912



62, 42.824, 335.465



60, 31.772, 135.695



30, 4.953, 333.275



31, 60.993, 341.650



1, 5.270, 333.191

Previews

White Background



This preview shows how the CIELCh color 47, 30.089, 302.652 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, 30.089, 302.652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

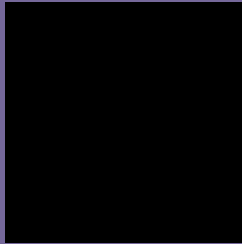
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 30.089, 302.652

Background



This preview shows how black text looks on a background with the CIELCh color 47, 30.089, 302.652.



This preview shows how white text looks on a background with the CIELCh color 47, 30.089, 302.652.

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, 30.089, 302.652

Protanopia

47, 29.157, 285.045

Deuteranopia

47, 25.581, 285.255



Tritanopia
47, 5.330, 290.909

Trichromacy



Original Color
47, 30.089, 302.652

Protanomaly
47, 29.004, 291.349

Deuteranomaly
47, 26.647, 292.222

Tritanomaly
47, 14.405, 299.619

Monochromacy



Original Color
47, 30.089, 302.652

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 11.443, 301.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 30.089, 302.652 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(117, 104, 154)` looks like.

```
.text, #text, p{  
    color:rgb(117, 104, 154)  
}
```

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(117, 104, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 104, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 30.089, 302.652 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(117, 104, 154) }
```

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

```
.border{ border-color:rgb(117, 104, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 104, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 104, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 104, 154);  
box-shadow:4px 4px 4px 4px rgb(117, 104,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 30.089, 302.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 104, 154) }
```

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

```
.background{ background-color: rgb(117,  
104, 154) }
```

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