

Converting Colors

CIELCh(47, 42.943, 132.574)

Have a look what the booklet for
CIELCh(47, 42.943, 132.574)
contains.

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Color

CIELCh(47, 42.773, 132.692)

Conversions

Conversions Part 1

Format	Color
Hex	4D7B38
RGB	77, 123, 56
RGB Percent	30%, 48%, 22%
CMY	0.6982, 0.5178, 0.7805
CMYK	0.37, 0.00, 0.54, 0.52
HSL	101°, 37%, 35%
HSV	101°, 54%, 48%
XYZ	10.8500, 16.0195, 6.2578
YIQ	101.6080, -5.9090, -30.5890

Conversions

Conversions Part 2

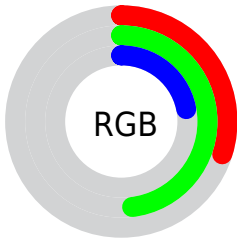
Format	Color
RYB	56, 123, 102
Decimal	5077816
CIELab	47.00, -29.00, 31.44
CIELCh	47, 42.773, 132.692
Yxy	16.0195, 0.3275, 0.4836
Android (android.graphics.Color)	4283267896 (0xFF4D7B38)
YUV	101.6080, -22.4847, -21.5812
Hunter-Lab	40.0243, -21.6540, 18.7471

Details

The CIELCh color $47, 42.773, 132.692$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $32, 44.508, 317.470$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 42.695, 132.599$, and $27, 43.026, 132.863$ is the 20% darker color. If you saturate the color by 10%, you get $46, 49.732, 132.257$, and if you desaturate by 10%, it is $48, 35.305, 133.201$.

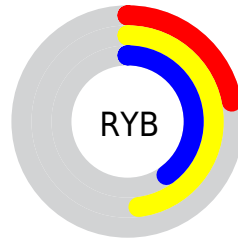
Distribution



Red (30%)

Green (48%)

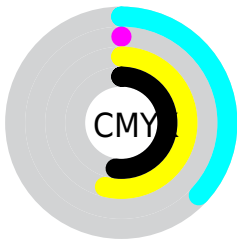
Blue (22%)



Red (22%)

Yellow (48%)

Blue (40%)

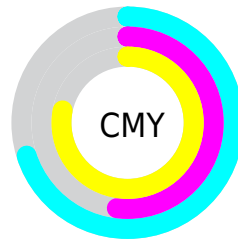


Cyan (37%)

Magenta (0%)

Yellow (54%)

Black (52%)



Cyan (70%)


Magenta (52%)

Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 42.773, 132.692 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, 42.773, 132.692 by changing the saturation by 10% instead.

 47, 42.773,
132.692


 47, 42.773,
132.692

 100, 42.773,
132.692


 37, 42.773,
132.692

 67, 42.773,
132.692


 27, 42.773,
132.692

 77, 42.773,
132.692

 17, 42.773,
132.692

 87, 42.773,
132.692

 7, 42.773, 132.692

 97, 42.773,
132.692

 0, 42.773, 132.692

 47, 42.773,

 47, 42.773,

132.692

■ 46, 49.732,
132.257

■ 46, 55.917,
131.979

■ 46, 61.015,
131.968

■ 45, 64.792,
132.303

■ 45, 66.662,
132.428

132.692

■ 48, 35.305,
133.201

■ 48, 27.522,
133.727

■ 49, 19.572,
134.236

■ 50, 11.559,
134.713

■ 51, 3.560, 135.166

■ 52, 4.371, 315.487

■ 53, 12.193,
315.844

■ 55, 19.880,
316.145

■ 56, 27.414,
316.406

Harmonies

Complementary

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



47, 42.773, 132.692



32, 44.508, 317.470

Rectangle

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



47, 42.773, 132.692



47, 42.773, 182.692



47, 42.773, 312.692



47, 42.773, 2.692

Sweetspot

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



47, 42.774, 132.693



64, 15.900, 134.624



44, 28.935, 85.556



33, 10.823, 134.546



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 42.774, 132.693



60, 62.083, 132.182



46, 41.357, 145.242



25, 4.469, 134.957



46, 67.450, 132.450



88, 114.503, 133.148

Inverse Universe

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



32, 44.508, 317.470



38, 64.974, 317.769



34, 41.152, 333.355



24, 4.505, 315.652



22, 70.638, 317.265



47, 119.274, 316.758

Previews

White Background



This preview shows how the CIELCh color 47, 42.773, 132.692 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, 42.773, 132.692 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, 42.773, 132.692

Background



This preview shows how black text looks on a background with the CIELCh color 47, 42.773, 132.692.



This preview shows how white text looks on a background with the CIELCh color 47, 42.773, 132.692.

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, 42.773, 132.692

Protanopia

47, 34.246, 95.811

Deuteranopia

47, 30.262, 78.220



Tritanopia
47, 11.373, 226.539

Trichromacy



Original Color
47, 42.773, 132.692

Protanomaly
46, 35.388, 112.124

Deuteranomaly
46, 30.520, 103.265

Tritanomaly
47, 18.010, 158.911

Monochromacy



Original Color
47, 42.773, 132.692

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 16.545, 134.128

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 42.773, 132.692 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(77, 123, 56)` looks like.

```
.text, #text, p{  
    color:rgb(77, 123, 56)  
}
```

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(77, 123, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 123, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 42.773, 132.692 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(77, 123, 56) }
```

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

```
.border{ border-color:rgb(77, 123, 56) }
```

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

Here you see how a box with a 4 pixel rgb(77, 123, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 123, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 123, 56);  
box-shadow:4px 4px 4px 4px rgb(77, 123,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 42.773, 132.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 123, 56) }
```

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

```
.background{ background-color: rgb(77, 123,  
56) }
```

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](#).

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