

Converting Colors

CIELCh(48, 30.067, 88.011)

Have a look what the booklet for
CIELCh(48, 30.067, 88.011) contains.

CIELCh(48, 29.987, 87.932)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(48, 29.987, 87.932)

Conversions

Conversions Part 1

Format	Color
Hex	84703F
RGB	132, 112, 63
RGB Percent	52%, 44%, 25%
CMY	0.4831, 0.5615, 0.7536
CMYK	0.00, 0.15, 0.52, 0.48
HSL	43°, 35%, 38%
HSV	43°, 52%, 52%
XYZ	16.1512, 16.7945, 7.0676
YIQ	112.3940, 27.6490, -10.9990

Conversions

Conversions Part 2

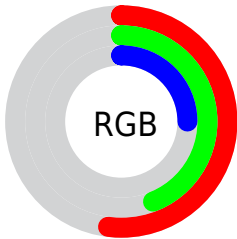
Format	Color
RYB	91, 132, 63
Decimal	8679487
CIELab	48.00, 1.08, 29.97
CIELCh	48, 29.987, 87.932
Yxy	16.7945, 0.4036, 0.4197
Android (android.graphics.Color)	4286869567 (0xFF84703F)
YUV	112.3940, -24.3512, 17.1945
Hunter-Lab	40.9810, -1.3674, 18.4616

Details

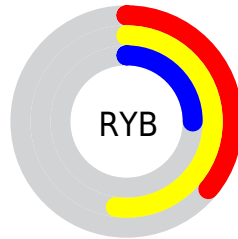
The CIELCh color **48, 29.987, 87.932** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **36, 30.736, 283.482**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 30.084, 88.077**, and **28, 29.982, 87.714** is the 20% darker color. If you saturate the color by 10%, you get **47, 35.612, 86.574**, and if you desaturate by 10%, it is **49, 24.208, 89.255**.

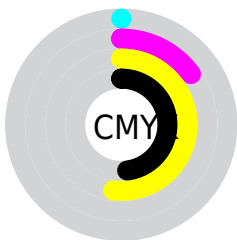
Distribution



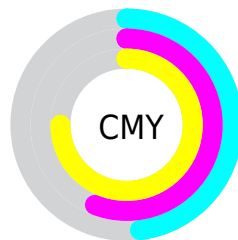
- Red (52%)
- Green (44%)
- Blue (25%)



- Red (36%)
- Yellow (52%)
- Blue (25%)



- Cyan (0%)
- Magenta (15%)
- Yellow (52%)
- Black (48%)





















- Cyan (48%)
- Magenta (56%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 29.987, 87.932 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 48, 29.987, 87.932 by changing the saturation by 10% instead.

 48, 29.987, 87.932	 48, 29.987, 87.932
 100, 29.987, 87.932	 38, 29.987, 87.932
 68, 29.987, 87.932	 28, 29.987, 87.932
 78, 29.987, 87.932	 18, 29.987, 87.932
 88, 29.987, 87.932	 8, 29.987, 87.932
 98, 29.987, 87.932	 0, 29.987, 87.932

 48, 29.987, 87.932	 48, 29.987, 87.932
 47, 35.612, 86.574	 49, 24.208, 89.255
 46, 40.868, 85.148	 51, 18.397, 90.539

44, 45.407, 83.607

52, 12.620, 91.787

43, 48.751, 81.856

53, 6.914, 92.992

43, 50.931, 80.490

55, 1.292, 94.069

56, 4.240, 275.357

58, 9.683, 276.422

59, 15.039,
277.453

61, 20.313,
278.439

Harmonies

Complementary

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



48, 29.987, 87.932



36, 30.736, 283.482

Rectangle

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



48, 29.987, 87.932



48, 29.987, 137.932



48, 29.987, 267.932



48, 29.987, 317.932

Sweetspot

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



48, 29.987, 87.936



67, 11.126, 92.512



36, 32.002, 2.775



35, 7.581, 92.303



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 29.987, 87.936



60, 44.428, 86.284



53, 38.728, 114.645



27, 3.168, 93.364



42, 50.445, 80.524



1, 0.756, 94.453

Inverse Universe

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



36, 30.736, 283.482



41, 46.436, 286.702



31, 43.940, 302.799



26, 3.181, 275.601



20, 61.520, 297.840



0, 0.756, 274.459

Previews

White Background



This preview shows how the CIELCh color 48, 29.987, 87.932 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 48, 29.987, 87.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

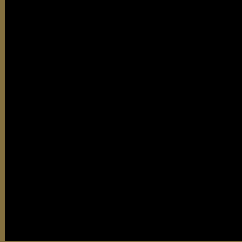
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 29.987, 87.932

Background



This preview shows how black text looks on a background with the CIELCh color 48, 29.987, 87.932.



This preview shows how white text looks on a background with the CIELCh color 48, 29.987, 87.932.

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


48, 29.987, 87.932

Protanopia

48, 29.291, 96.107

Deuteranopia

48, 30.112, 78.372



Tritanopia
48, 13.692, 1.201

Trichromacy



Original Color
48, 29.987, 87.932

Protanomaly
48, 29.100, 93.241

Deuteranomaly
48, 29.649, 81.974

Tritanomaly
48, 14.257, 52.612

Monochromacy



Original Color
48, 29.987, 87.932

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 11.008, 92.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 29.987, 87.932 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(132, 112, 63)` looks like.

```
.text, #text, p{  
    color:rgb(132, 112, 63)  
}
```

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(132, 112, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 112, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 29.987, 87.932 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(132, 112, 63) }
```

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

```
.border{ border-color:rgb(132, 112, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 112, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 112, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 112, 63);  
box-shadow:4px 4px 4px 4px rgb(132, 112,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 29.987, 87.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 112, 63) }
```

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

```
.background{ background-color: rgb(132,  
112, 63) }
```

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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