

Converting Colors

CIELCh(30, 48.500, 8.857)

Have a look what the booklet for
CIELCh(30, 48.500, 8.857) contains.

CIELCh(30, 48.456, 8.962)	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(30, 48.456, 8.962)

Conversions

Conversions Part 1

Format	Color
Hex	88183D
RGB	136, 24, 61
RGB Percent	53%, 9%, 24%
CMY	0.4664, 0.9055, 0.7605
CMYK	0.00, 0.82, 0.55, 0.47
HSL	340°, 70%, 31%
HSV	340°, 82%, 53%
XYZ	11.3390, 6.2359, 5.0298
YIQ	61.7060, 54.8750, 35.2510

Conversions

Conversions Part 2

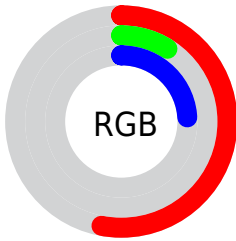
Format	Color
R_{YB}	136, 24, 61
Decimal	8919101
CIE _{Lab}	30.00, 47.86, 7.55
CIE _{LCh}	30, 48.456, 8.962
Yxy	6.2359, 0.5016, 0.2759
Android (android.graphics.Color)	4287109181 (0xFF88183D)
YUV	61.7060, -0.3481, 65.1558
Hunter-Lab	24.9718, 37.3516, 5.5381

Details

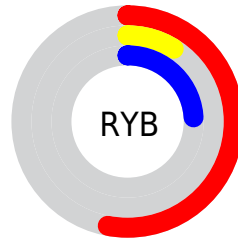
The CIELCh color **30, 48.456, 8.962** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **50, 40.766, 163.632**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 48.324, 9.154**, and **14, 37.710, 20.644** is the 20% darker color. If you saturate the color by 10%, you get **29, 51.681, 13.254**, and if you desaturate by 10%, it is **32, 44.181, 5.519**.

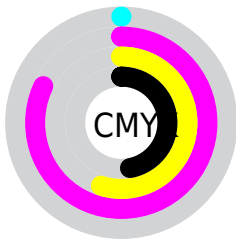
Distribution



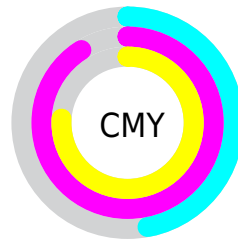
- Red (53%)
- Green (9%)
- Blue (24%)



- Red (53%)
- Yellow (9%)
- Blue (24%)



- Cyan (0%)
- Magenta (82%)
- Yellow (55%)
- Black (47%)



- Cyan (47%)
- Magenta (91%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 48.456, 8.962 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 30, 48.456, 8.962 by changing the saturation by 10% instead.

 30, 48.456, 8.962  30, 48.456, 8.962

 100, 48.456, 8.962  20, 48.456, 8.962

 50, 48.456, 8.962  10, 48.456, 8.962

 60, 48.456, 8.962  0, 48.456, 8.962

 70, 48.456, 8.962

 80, 48.456, 8.962

 90, 48.456, 8.962

 30, 48.456, 8.962  30, 48.456, 8.962

 29, 51.681, 13.254  32, 44.181, 5.519

 28, 53.930, 16.802  34, 38.967, 2.783

■ 37, 33.062, 0.596

■ 41, 26.748,
358.819

■ 44, 20.271,
357.345

■ 48, 13.811,
356.094

■ 52, 7.488, 355.003

■ 56, 1.369, 353.856

■ 60, 4.512, 173.360

Harmonies

Complementary

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



30, 48.456, 8.962



50, 40.766, 163.632

Rectangle

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



30, 48.456, 8.962



30, 48.456, 58.962



30, 48.456, 188.962



30, 48.456, 238.962

Sweetspot

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



30, 48.453, 8.964



60, 19.203, 356.481



27, 68.276, 317.201



30, 13.257, 356.862



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



30, 48.453, 8.964



37, 65.120, 17.637



32, 51.034, 40.517



27, 3.453, 354.681



27, 52.898, 16.651



0, 1.577, 353.908

Inverse Universe

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



30, 48.453, 8.964



37, 65.120, 17.637



45, 25.952, 222.811



27, 3.453, 354.681



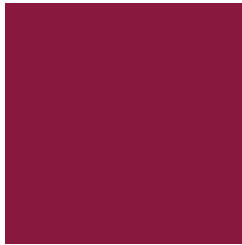
27, 52.898, 16.651



0, 1.577, 353.908

Previews

White Background



This preview shows how the CIELCh color 30, 48.456, 8.962 looks on a white background.

Color Contrast Check

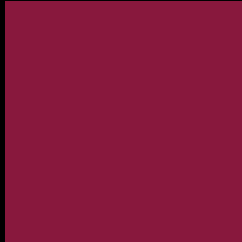
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 30, 48.456, 8.962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

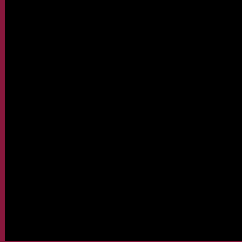
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 48.456, 8.962

Background



This preview shows how black text looks on a background with the CIELCh color 30, 48.456, 8.962.



This preview shows how white text looks on a background with the CIELCh color 30, 48.456, 8.962.

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

30, 48.456, 8.962

Protanopia

31, 8.314, 286.074

Deuteranopia

31, 11.410, 66.047



Tritanopia
30, 50.410, 31.108

Trichromacy



Original Color
30, 48.456, 8.962

Protanomaly
28, 21.437, 345.239

Deuteranomaly
29, 24.370, 17.112

Tritanomaly
30, 48.755, 23.418

Monochromacy



Original Color
30, 48.456, 8.962

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 20.641, 358.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 48.456, 8.962 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(136, 24, 61)` looks like.

```
.text, #text, p{  
    color:rgb(136, 24, 61)  
}
```

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(136, 24, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 24, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 48.456, 8.962 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(136, 24, 61) }
```

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

```
.border{ border-color:rgb(136, 24, 61) }
```

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

Here you see how a box with a 4 pixel rgb(136, 24, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 24, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 24, 61);  
box-shadow:4px 4px 4px 4px rgb(136, 24,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 48.456, 8.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 24, 61) }
```

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

```
.background{ background-color: rgb(136, 24,  
61) }
```

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