

Converting Colors

CIELCh(30, 46.255, 4.558)

Have a look what the booklet for
CIELCh(30, 46.255, 4.558) contains.

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Color

CIELCh(30, 46.405, 4.275)

Conversions

Conversions Part 1

Format	Color
Hex	851C43
RGB	133, 28, 67
RGB Percent	52%, 11%, 26%
CMY	0.4781, 0.8898, 0.7370
CMYK	0.00, 0.79, 0.50, 0.48
HSL	338°, 65%, 32%
HSV	338°, 79%, 52%
XYZ	11.1209, 6.2359, 5.9396
YIQ	63.8410, 50.0610, 34.3890

Conversions

Conversions Part 2

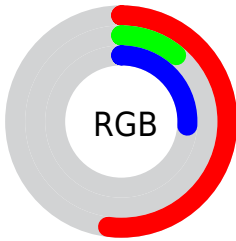
Format	Color
R_{YB}	133, 28, 67
Decimal	8723523
CIE Lab	30.00, 46.28, 3.46
CIE LCh	30, 46.405, 4.275
Yxy	6.2359, 0.4774, 0.2677
Android (android.graphics.Color)	4286913603 (0xFF851C43)
YUV	63.8410, 1.5574, 60.6524
Hunter-Lab	24.9718, 35.7924, 3.3780

Details

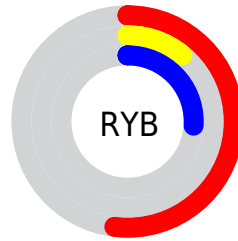
The CIELCh color **30, 46.405, 4.275** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **49, 40.695, 161.491**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 46.268, 4.068**, and **14, 36.100, 13.571** is the 20% darker color. If you saturate the color by 10%, you get **28, 49.659, 8.014**, and if you desaturate by 10%, it is **32, 42.036, 1.304**.

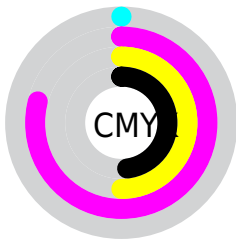
Distribution



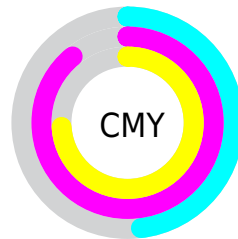
- Red (52%)
- Green (11%)
- Blue (26%)



- Red (52%)
- Yellow (11%)
- Blue (26%)



- Cyan (0%)
- Magenta (79%)
- Yellow (50%)
- Black (48%)



- Cyan (48%)
- Magenta (89%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 46.405, 4.275 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, 46.405, 4.275 by changing the saturation by 10% instead.

 30, 46.405, 4.275  30, 46.405, 4.275

 100, 46.405, 4.275  20, 46.405, 4.275

 50, 46.405, 4.275  10, 46.405, 4.275

 60, 46.405, 4.275  0, 46.405, 4.275

 70, 46.405, 4.275

 80, 46.405, 4.275

 90, 46.405, 4.275

 30, 46.405, 4.275  30, 46.405, 4.275

 28, 49.659, 8.014  32, 42.036, 1.304

 27, 52.151, 12.368  35, 36.743,

27, 52.453, 12.842

358.937

38, 30.806,
357.026

41, 24.506,
355.450

45, 18.073,
354.121

48, 11.670,
352.975

52, 5.404, 351.949

56, 0.666, 171.635

60, 6.512, 170.395

Harmonies

Complementary

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



30, 46.405, 4.275



49, 40.695, 161.491

Rectangle

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



30, 46.405, 4.275



30, 46.405, 54.275



30, 46.405, 184.275



30, 46.405, 234.275

Sweetspot

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



30, 46.403, 4.277



59, 18.555, 353.606



26, 65.391, 315.774



29, 12.737, 353.965



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



30, 46.403, 4.277



37, 62.555, 11.764



31, 48.999, 37.399



26, 3.424, 351.974



27, 51.568, 12.710



0, 0.808, 351.220

Inverse Universe

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



30, 46.403, 4.277



37, 62.555, 11.764



46, 25.752, 213.538



26, 3.424, 351.974



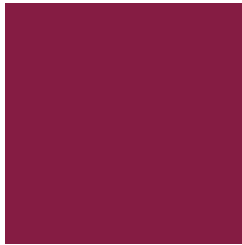
27, 51.568, 12.710



0, 0.808, 351.220

Previews

White Background



This preview shows how the CIE LCh color 30, 46.405, 4.275 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, 46.405, 4.275 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, 46.405, 4.275

Background



This preview shows how black text looks on a background with the CIELCh color 30, 46.405, 4.275.



This preview shows how white text looks on a background with the CIELCh color 30, 46.405, 4.275.

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, 46.405, 4.275

Protanopia

31, 12.172, 284.993

Deuteranopia

31, 7.981, 59.372



Tritanopia
30, 46.780, 29.145

Trichromacy



Original Color
30, 46.405, 4.275

Protanomaly
29, 22.393, 336.002

Deuteranomaly
29, 21.919, 9.022

Tritanomaly
30, 45.399, 19.766

Monochromacy



Original Color
30, 46.405, 4.275

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 19.316, 355.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 46.405, 4.275 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(133, 28, 67)` looks like.

```
.text, #text, p{  
    color:rgb(133, 28, 67)  
}
```

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(133, 28, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 28, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 46.405, 4.275 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(133, 28, 67) }
```

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

```
.border{ border-color:rgb(133, 28, 67) }
```

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

Here you see how a box with a 4 pixel rgb(133, 28, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 28, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 28, 67);  
box-shadow:4px 4px 4px 4px rgb(133, 28,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 46.405, 4.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 28, 67) }
```

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

```
.background{ background-color: rgb(133, 28,  
67) }
```

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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