

Converting Colors

CIELCh(46, 33.626, 79.387)

Have a look what the booklet for
CIELCh(46, 33.626, 79.387) contains.

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Color

CIELCh(46, 33.626, 79.387)

Conversions

Conversions Part 1

Format	Color
Hex	876835
RGB	135, 104, 53
RGB Percent	53%, 41%, 21%
CMY	0.4712, 0.5927, 0.7926
CMYK	0.00, 0.23, 0.61, 0.47
HSL	37°, 44%, 37%
HSV	37°, 61%, 53%
XYZ	15.5449, 15.2687, 5.4808
YIQ	107.4550, 34.8470, -9.2890

Conversions

Conversions Part 2

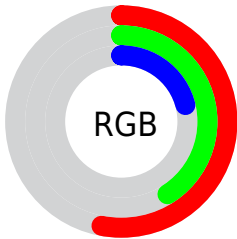
Format	Color
RYB	103, 135, 53
Decimal	8874037
CIELab	46.00, 6.19, 33.05
CIElCh	46, 33.626, 79.387
Yxy	15.2687, 0.4283, 0.4207
Android (android.graphics.Color)	4287064117 (0xFF876835)
YUV	107.4550, -26.8463, 24.1570
Hunter-Lab	39.0751, 2.6295, 19.0363

Details

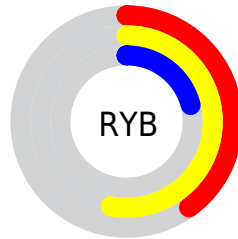
The CIELCh color **46, 33.626, 79.387** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **36, 32.380, 279.272**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 33.656, 79.808**, and **26, 33.552, 79.391** is the 20% darker color. If you saturate the color by 10%, you get **44, 39.158, 77.886**, and if you desaturate by 10%, it is **48, 27.913, 80.811**.

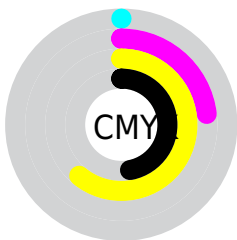
Distribution



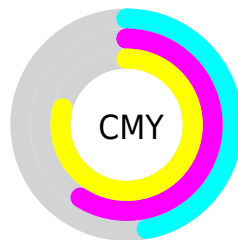
- Red (53%)
- Green (41%)
- Blue (21%)



- Red (40%)
- Yellow (53%)
- Blue (21%)



- Cyan (0%)
- Magenta (23%)
- Yellow (61%)
- Black (47%)



- Cyan (47%)
- Magenta (59%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 33.626, 79.387 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 46, 33.626, 79.387 by changing the saturation by 10% instead.

■ 46, 33.626, 79.387 ■ 46, 33.626, 79.387

■ 100, 33.626, 79.387 ■ 36, 33.626, 79.387

■ 66, 33.626, 79.387 ■ 26, 33.626, 79.387

■ 76, 33.626, 79.387 ■ 16, 33.626, 79.387

■ 86, 33.626, 79.387 ■ 6, 33.626, 79.387

■ 96, 33.626, 79.387 ■ 0, 33.626, 79.387

■ 46, 33.626, 79.387 ■ 46, 33.626, 79.387

■ 44, 39.158, 77.886 ■ 48, 27.913, 80.811

■ 43, 44.201, 76.223 ■ 49, 22.192, 82.180

42, 48.268, 74.263

51, 16.551, 83.509

40, 51.412, 72.347

53, 11.031, 84.800

54, 5.648, 86.043

56, 0.403, 86.790

58, 4.710, 268.517

60, 9.698, 269.624

62, 14.573,
270.698

Harmonies

Complementary

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



46, 33.626, 79.387



36, 32.380, 279.272

Rectangle

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



46, 33.626, 79.387



46, 33.626, 129.387



46, 33.626, 259.387



46, 33.626, 309.387

Sweetspot

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



46, 33.626, 79.391



68, 11.830, 85.102



35, 38.353, 358.479



35, 8.314, 84.775



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



46, 33.626, 79.391



57, 50.048, 77.270



54, 44.631, 110.352



27, 2.904, 86.243



39, 50.077, 72.467



0, 0.690, 87.388

Inverse Universe

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



36, 32.380, 279.272



41, 48.786, 283.705



28, 52.673, 301.852



26, 2.891, 268.597



23, 53.419, 292.705



0, 0.690, 267.397

Previews

White Background



This preview shows how the CIELCh color 46, 33.626, 79.387 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 46, 33.626, 79.387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

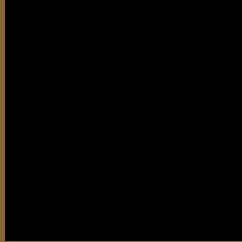
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 33.626, 79.387

Background



This preview shows how black text looks on a background with the CIELCh color 46, 33.626, 79.387.



This preview shows how white text looks on a background with the CIELCh color 46, 33.626, 79.387.

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

46, 33.626, 79.387

Protanopia

46, 31.705, 95.367

Deuteranopia

46, 33.626, 79.387



Tritanopia
46, 17.902, 8.603

Trichromacy



Original Color
46, 33.626, 79.387

Protanomaly
46, 32.130, 89.298

Deuteranomaly
46, 33.626, 79.387

Tritanomaly
46, 18.919, 46.830

Monochromacy



Original Color
46, 33.626, 79.387

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 12.296, 85.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 33.626, 79.387 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(135, 104, 53)` looks like.

```
.text, #text, p{  
    color:rgb(135, 104, 53)  
}
```

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(135, 104, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 104, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 33.626, 79.387 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(135, 104, 53) }
```

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

```
.border{ border-color:rgb(135, 104, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 104, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 104, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 104, 53);  
box-shadow:4px 4px 4px 4px rgb(135, 104,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 33.626, 79.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 104, 53) }
```

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

```
.background{ background-color: rgb(135,  
104, 53) }
```

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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