

Converting Colors

CIELCh(46, 20.789, 86.181)

Have a look what the booklet for
CIELCh(46, 20.789, 86.181) contains.

CIELCh(46, 20.863, 86.715)	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(46, 20.863, 86.715)

Conversions

Conversions Part 1

Format	Color
Hex	7B6B4A
RGB	123, 107, 74
RGB Percent	48%, 42%, 29%
CMY	0.5170, 0.5798, 0.7092
CMYK	0.00, 0.13, 0.40, 0.52
HSL	40°, 25%, 39%
HSV	40°, 40%, 48%
XYZ	14.7080, 15.2687, 8.6775
YIQ	108.0220, 20.1290, -6.8710

Conversions

Conversions Part 2

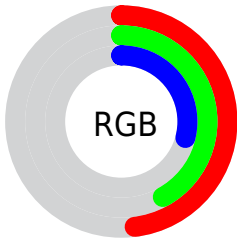
Format	Color
RYB	98, 123, 74
Decimal	8088394
CIELab	46.00, 1.20, 20.83
CIElCh	46, 20.863, 86.715
Yxy	15.2687, 0.3805, 0.3950
Android (android.graphics.Color)	4286278474 (0xFF7B6B4A)
YUV	108.0220, -16.7728, 13.1357
Hunter-Lab	39.0751, -1.1934, 14.1860

Details

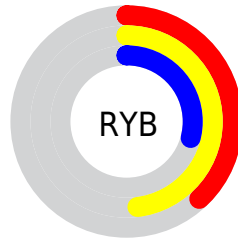
The CIELCh color **46, 20.863, 86.715** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **38, 20.784, 277.942**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 20.756, 86.782**, and **26, 21.117, 87.000** is the 20% darker color. If you saturate the color by 10%, you get **45, 26.262, 85.388**, and if you desaturate by 10%, it is **47, 15.494, 88.014**.

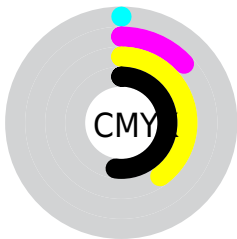
Distribution



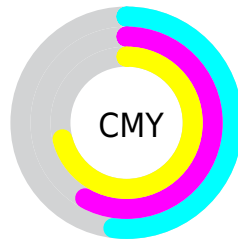
- Red (48%)
- Green (42%)
- Blue (29%)



- Red (38%)
- Yellow (48%)
- Blue (29%)



- Cyan (0%)
- Magenta (13%)
- Yellow (40%)
- Black (52%)



- Cyan (52%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 20.863, 86.715 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, 20.863, 86.715 by changing the saturation by 10% instead.

■ 46, 20.863, 86.715

■ 46, 20.863, 86.715

■ 100, 20.863,
86.715

■ 36, 20.863, 86.715

■ 66, 20.863, 86.715

■ 26, 20.863, 86.715

■ 76, 20.863, 86.715

■ 16, 20.863, 86.715

■ 86, 20.863, 86.715

■ 6, 20.863, 86.715

■ 96, 20.863, 86.715

■ 0, 20.863, 86.715

■ 46, 20.863, 86.715

■ 46, 20.863, 86.715

■ 45, 26.262, 85.388

■ 47, 15.494, 88.014

■ 43, 31.601, 84.011

■ 49, 10.197, 89.269

42, 36.722, 82.567

50, 4.994, 90.475

41, 41.351, 81.006

52, 0.110, 273.198

40, 45.069, 79.230

53, 5.114, 272.858

39, 48.160, 77.368

55, 10.022,
273.932

39, 48.232, 77.334

56, 14.840,
274.968

58, 19.576,
275.958

59, 24.235,
276.900

Harmonies

Complementary

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



46, 20.863, 86.715



38, 20.784, 277.942

Rectangle

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



46, 20.863, 86.715



46, 20.863, 136.715



46, 20.863, 266.715



46, 20.863, 316.715

Sweetspot

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



46, 20.864, 86.720



64, 7.624, 90.180



38, 23.193, 358.138



33, 5.102, 90.059



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 20.864, 86.720



58, 31.453, 85.472



50, 28.206, 113.954



25, 2.854, 90.560



39, 48.730, 77.291



76, 81.912, 75.691

Inverse Universe

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



38, 20.784, 277.942



46, 31.414, 280.042



34, 30.905, 300.298



24, 2.857, 272.822



20, 56.272, 295.730



43, 100.107, 297.667

Previews

White Background



This preview shows how the CIELCh color 46, 20.863, 86.715 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 46, 20.863, 86.715 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, 20.863, 86.715

Background



This preview shows how black text looks on a background with the CIELCh color 46, 20.863, 86.715.



This preview shows how white text looks on a background with the CIELCh color 46, 20.863, 86.715.

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, 20.863, 86.715

Protanopia

46, 20.396, 95.725

Deuteranopia

46, 21.178, 73.080



Tritanopia
46, 10.813, 358.348

Trichromacy



Original Color
46, 20.863, 86.715

Protanomaly
46, 20.211, 91.638

Deuteranomaly
46, 20.840, 76.979

Tritanomaly
46, 10.325, 47.435

Monochromacy



Original Color
46, 20.863, 86.715

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 7.552, 89.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 20.863, 86.715 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(123, 107, 74)` looks like.

```
.text, #text, p{  
    color:rgb(123, 107, 74)  
}
```

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(123, 107, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 107, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 20.863, 86.715 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(123, 107, 74) }
```

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

```
.border{ border-color:rgb(123, 107, 74) }
```

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

Here you see how a box with a 4 pixel rgb(123, 107, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 107, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 107, 74);  
box-shadow:4px 4px 4px 4px rgb(123, 107,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 20.863, 86.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 107, 74) }
```

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

```
.background{ background-color: rgb(123,  
107, 74) }
```

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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