

Converting Colors

CIELCh(46, 15.918, 123.816)

Have a look what the booklet for
CIELCh(46, 15.918, 123.816)
contains.

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Color

CIELCh(46, 15.893, 123.825)

Conversions

Conversions Part 1

Format	Color
Hex	677157
RGB	103, 113, 87
RGB Percent	40%, 44%, 34%
CMY	0.5976, 0.5583, 0.6603
CMYK	0.09, 0.00, 0.23, 0.56
HSL	83°, 13%, 39%
HSV	83°, 23%, 44%
XYZ	13.1183, 15.2687, 11.1944
YIQ	107.0460, 2.3860, -10.2060

Conversions

Conversions Part 2

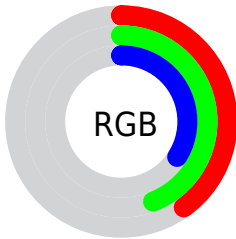
Format	Color
R_{YB}	87, 113, 97
Decimal	6779223
CIE Lab	46.00, -8.85, 13.20
CIE LCh	46, 15.893, 123.825
Yxy	15.2687, 0.3314, 0.3858
Android (android.graphics.Color)	4284969303 (0xFF677157)
YUV	107.0460, -9.8827, -3.5483
Hunter-Lab	39.0751, -8.4555, 10.3670

Details

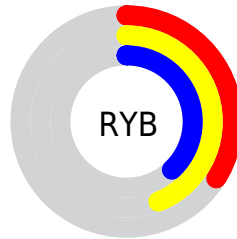
The CIELCh color $46, 15.893, 123.825$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $39, 16.502, 306.159$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 16.021, 124.407$, and $26, 15.427, 123.596$ is the 20% darker color. If you saturate the color by 10%, you get $45, 22.699, 123.327$, and if you desaturate by 10%, it is $47, 9.015, 124.327$.

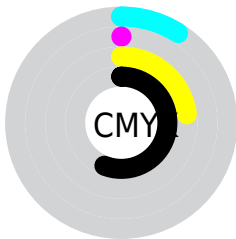
Distribution



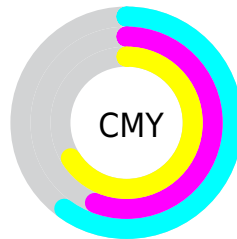
- Red (40%)
- Green (44%)
- Blue (34%)



- Red (34%)
- Yellow (44%)
- Blue (38%)



- Cyan (9%)
- Magenta (0%)
- Yellow (23%)
- Black (56%)





- Cyan (60%)
- Magenta (56%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 15.893, 123.825 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, 15.893, 123.825 by changing the saturation by 10% instead.


 46, 15.893,
123.825


 46, 15.893,
123.825


 100, 15.893,
123.825


 36, 15.893,
123.825

 66, 15.893,
123.825


 26, 15.893,
123.825

 76, 15.893,
123.825

 16, 15.893,
123.825


 86, 15.893,
123.825

 6, 15.893, 123.825

 96, 15.893,
123.825

 0, 15.893, 123.825

 46, 15.893,

 46, 15.893,

123.825

123.825

■ 45, 22.699,
123.327

■ 47, 9.015, 124.327

■ 45, 29.356,
122.848

■ 47, 2.114, 124.826

■ 48, 4.774, 305.247

■ 44, 35.760,
122.424

■ 49, 11.622,
305.681

■ 44, 41.757,
122.108

■ 50, 18.411,
306.080

■ 44, 47.137,
121.976

■ 50, 25.126,
306.446

■ 43, 51.634,
122.124

■ 51, 31.757,
306.782

■ 43, 55.017,
122.642

■ 52, 38.298,
307.088

■ 43, 57.165,
123.003

■ 53, 44.742,

Harmonies

Complementary

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



46, 15.893, 123.825



39, 16.502, 306.159

Rectangle

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



46, 15.893, 123.825



46, 15.893, 173.825



46, 15.893, 303.825



46, 15.893, 353.825

Sweetspot

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



46, 15.894, 123.828



60, 5.946, 124.617



42, 9.328, 59.753



31, 3.894, 124.599



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 15.894, 123.828



58, 23.733, 123.544



45, 18.235, 140.034



23, 3.865, 124.528



45, 59.809, 123.110



89, 102.859, 124.005

Inverse Universe

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



39, 16.502, 306.159



47, 24.890, 306.503



40, 18.340, 322.279



21, 3.925, 305.375



15, 72.807, 310.000



36, 125.188, 309.412

Previews

White Background



This preview shows how the CIELCh color 46, 15.893, 123.825 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, 15.893, 123.825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

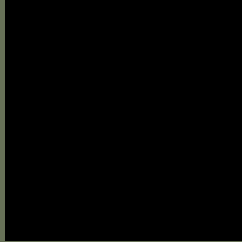
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 15.893, 123.825

Background



This preview shows how black text looks on a background with the CIELCh color 46, 15.893, 123.825.



This preview shows how white text looks on a background with the CIELCh color 46, 15.893, 123.825.

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, 15.893, 123.825

Protanopia

46, 14.494, 95.789

Deuteranopia

46, 13.856, 66.206



Tritanopia
46, 4.806, 281.386

Trichromacy



Original Color
46, 15.893, 123.825

Protanomaly
46, 14.141, 106.403

Deuteranomaly
46, 12.481, 89.945

Tritanomaly
46, 3.150, 150.322

Monochromacy



Original Color
46, 15.893, 123.825

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 5.606, 126.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 15.893, 123.825 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(103, 113, 87)` looks like.

```
.text, #text, p{  
    color:rgb(103, 113, 87)  
}
```

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(103, 113, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 113, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 15.893, 123.825 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(103, 113, 87) }
```

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

```
.border{ border-color:rgb(103, 113, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 113, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 113, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 113, 87);  
box-shadow:4px 4px 4px 4px rgb(103, 113,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 15.893, 123.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 113, 87) }
```

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

```
.background{ background-color: rgb(103,  
113, 87) }
```

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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