

Converting Colors

CIELCh(41, 7.916, 116.491)

Have a look what the booklet for
CIELCh(41, 7.916, 116.491) contains.

CIELCh(41, 7.894, 115.298)	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(41, 7.894, 115.298)

Conversions

Conversions Part 1

Format	Color
Hex	606255
RGB	96, 98, 85
RGB Percent	38%, 38%, 33%
CMY	0.6237, 0.6159, 0.6669
CMYK	0.02, 0.00, 0.13, 0.62
HSL	69°, 7%, 36%
HSV	69°, 13%, 38%
XYZ	10.8187, 11.8645, 10.3034
YIQ	95.9200, 2.9810, -4.4670

Conversions

Conversions Part 2

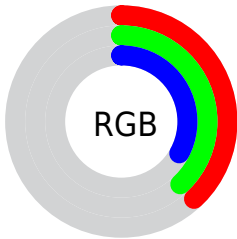
Format	Color
R_{YB}	85, 98, 87
Decimal	6316629
CIE _{Lab}	41.00, -3.37, 7.14
CIE _{LCh}	41, 7.894, 115.298
Yxy	11.8645, 0.3280, 0.3597
Android (android.graphics.Color)	4284506709 (0xFF606255)
YUV	95.9200, -5.3836, 0.0702
Hunter-Lab	34.4449, -4.2139, 6.3762

Details

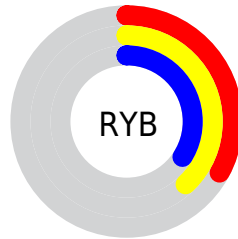
The CIELCh color **41, 7.894, 115.298** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 8.113, 297.198**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 7.883, 115.096**, and **21, 8.093, 115.303** is the 20% darker color. If you saturate the color by 10%, you get **41, 13.803, 114.606**, and if you desaturate by 10%, it is **41, 1.946, 115.991**.

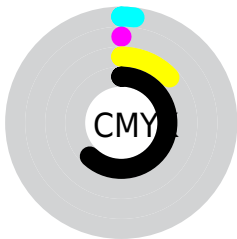
Distribution



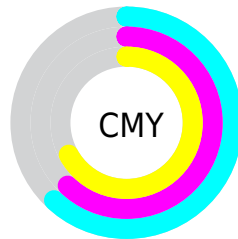
- Red (38%)
- Green (38%)
- Blue (33%)



- Red (33%)
- Yellow (38%)
- Blue (34%)



- Cyan (2%)
- Magenta (0%)
- Yellow (13%)
- Black (62%)



















- Cyan (62%)
- Magenta (62%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 7.894, 115.298 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 41, 7.894, 115.298 by changing the saturation by 10% instead.

 41, 7.894, 115.298	 41, 7.894, 115.298
 100, 7.894, 115.298	 31, 7.894, 115.298
 61, 7.894, 115.298	 21, 7.894, 115.298
 71, 7.894, 115.298	 11, 7.894, 115.298
 81, 7.894, 115.298	 1, 7.894, 115.298
 91, 7.894, 115.298	 0, 7.894, 115.298

 41, 7.894, 115.298	 41, 7.894, 115.298
 41, 13.803, 114.606	 41, 1.946, 115.991
 40, 19.627,	 42, 4.017, 296.663

113.912

■ 42, 9.972, 297.306

■ 40, 25.307,
113.242

■ 43, 15.905,
297.920

■ 40, 30.752,
112.623

■ 43, 21.804,
298.503

■ 39, 35.830,
112.093

■ 44, 27.661,
299.053

■ 39, 40.356,
111.704

■ 44, 33.468,
299.569

■ 39, 44.099,
111.518

■ 45, 39.221,
300.053

■ 39, 46.908,
111.576

■ 46, 44.914,
300.506

■ 39, 48.756,
111.602

Harmonies

Complementary

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



41, 7.894, 115.298



37, 8.113, 297.198

Rectangle

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



41, 7.894, 115.298



41, 7.894, 165.298



41, 7.894, 295.298



41, 7.894, 345.298

Sweetspot

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



41, 7.895, 115.304



53, 2.955, 115.933



38, 4.972, 33.858



27, 2.082, 115.895



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



41, 7.895, 115.304



53, 11.813, 115.081



40, 8.691, 133.610



20, 3.308, 115.609



44, 53.683, 111.737



89, 94.012, 112.268

Inverse Universe

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



37, 8.113, 297.198



46, 12.218, 297.464



37, 8.793, 314.636



18, 3.372, 296.851



11, 72.026, 307.183



31, 126.594, 306.827

Previews

White Background



This preview shows how the CIELCh color 41, 7.894, 115.298 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 41, 7.894, 115.298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

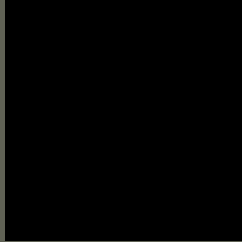
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

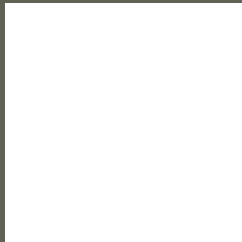
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 7.894, 115.298

Background



This preview shows how black text looks on a background with the CIELCh color 41, 7.894, 115.298.



This preview shows how white text looks on a background with the CIELCh color 41, 7.894, 115.298.

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


41, 7.894, 115.298

Protanopia

41, 7.575, 92.185

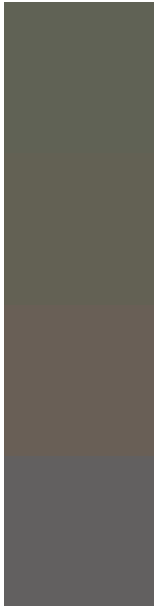
Deuteranopia

41, 8.665, 49.290



Tritanopia
41, 5.153, 309.377

Trichromacy



Original Color

41, 7.894, 115.298

Protanomaly

41, 7.892, 102.599

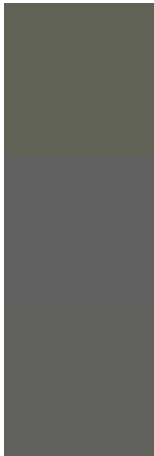
Deuteranomaly

41, 7.003, 70.463

Tritanomaly

41, 0.838, 19.128

Monochromacy



Original Color

41, 7.894, 115.298

Achromatopsia

41, 0.006, 296.813

Achromatomaly

41, 3.055, 117.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 7.894, 115.298 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(96, 98, 85)` looks like.

```
.text, #text, p{  
    color:rgb(96, 98, 85)  
}
```

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(96, 98, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 98, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 7.894, 115.298 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(96, 98, 85) }
```

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

```
.border{ border-color:rgb(96, 98, 85) }
```

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

Here you see how a box with a 4 pixel rgb(96, 98, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 98, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 98, 85);  
box-shadow:4px 4px 4px 4px rgb(96, 98, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 7.894, 115.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 98, 85) }
```

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

```
.background{ background-color: rgb(96, 98,  
85) }
```

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