

Converting Colors

CIELCh(41, 30.693, 123.222)

Have a look what the booklet for
CIELCh(41, 30.693, 123.222)
contains.

CIELCh(41, 30.693, 123.222)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(41, 30.693, 123.222)

Conversions

Conversions Part 1

Format	Color
Hex	536735
RGB	83, 103, 53
RGB Percent	33%, 40%, 21%
CMY	0.6735, 0.5950, 0.7912
CMYK	0.19, 0.00, 0.48, 0.60
HSL	84°, 32%, 31%
HSV	84°, 48%, 40%
XYZ	9.1162, 11.8645, 5.2080
YIQ	91.3200, 4.1300, -19.7900

Conversions

Conversions Part 2

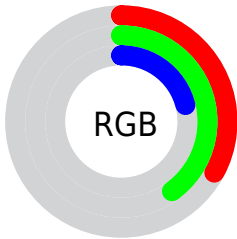
Format	Color
RYB	53, 103, 73
Decimal	5465909
CIELab	41.00, -16.82, 25.68
CIELCh	41, 30.693, 123.222
Yxy	11.8645, 0.3481, 0.4530
Android (android.graphics.Color)	4283655989 (0xFF536735)
YUV	91.3200, -18.8918, -7.2966
Hunter-Lab	34.4449, -13.0367, 15.1469

Details

The CIELCh color $41, 30.693, 123.222$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $27, 33.358, 308.247$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 30.433, 122.923$, and $21, 30.608, 123.522$ is the 20% darker color. If you saturate the color by 10%, you get $41, 36.521, 122.853$, and if you desaturate by 10%, it is $41, 24.571, 123.670$.

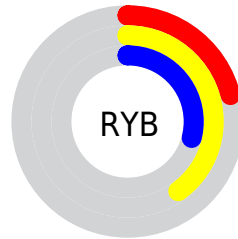
Distribution



Red (33%)

Green (40%)

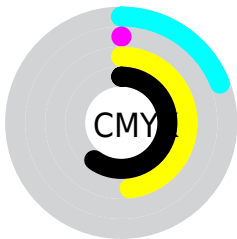
Blue (21%)



Red (21%)

Yellow (40%)

Blue (29%)

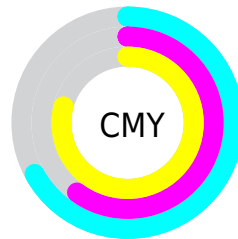


Cyan (19%)

Magenta (0%)

Yellow (48%)

Black (60%)



Cyan (67%)


Magenta (60%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 30.693, 123.222 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, 30.693, 123.222 by changing the saturation by 10% instead.


 41, 30.693,
123.222


 41, 30.693,
123.222


 100, 30.693,
123.222


 31, 30.693,
123.222

 61, 30.693,
123.222


 21, 30.693,
123.222

 71, 30.693,
123.222


 11, 30.693,
123.222


 81, 30.693,
123.222

 1, 30.693, 123.222

 91, 30.693,
123.222

 0, 30.693, 123.222

 41, 30.693,

 41, 30.693,

123.222

123.222

■ 41, 36.521,
122.853

■ 41, 24.571,
123.670

■ 40, 41.889,
122.620

■ 42, 18.270,
124.152

■ 40, 46.579,
122.610

■ 43, 11.871,
124.640

■ 40, 50.340,
122.924

■ 43, 5.430, 125.122

■ 39, 53.446,
123.411

■ 44, 1.013, 305.517

■ 45, 7.428, 305.991

■ 39, 53.953,
123.464

■ 45, 13.795,
306.394

■ 46, 20.099,
306.764

■ 47, 26.327,

Harmonies

Complementary

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



41, 30.693, 123.222



27, 33.358, 308.247

Rectangle

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



41, 30.693, 123.222



41, 30.693, 173.222



41, 30.693, 303.222



41, 30.693, 353.222

Sweetspot

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



41, 30.694, 123.224



55, 12.049, 124.786



34, 19.745, 57.713



28, 8.284, 124.711



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



41, 30.694, 123.224



53, 45.114, 122.815



39, 35.252, 138.277



21, 3.577, 125.100



43, 58.224, 123.658



87, 101.756, 124.620

Inverse Universe

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



27, 33.358, 308.247



31, 50.197, 308.973



30, 35.534, 323.326



19, 3.631, 305.910



14, 70.328, 310.322



36, 122.836, 309.686

Previews

White Background



This preview shows how the CIELCh color 41, 30.693, 123.222 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, 30.693, 123.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

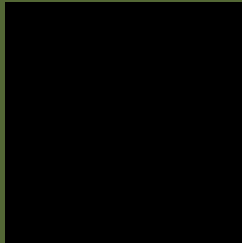
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 30.693, 123.222

Background



This preview shows how black text looks on a background with the CIELCh color 41, 30.693, 123.222.



This preview shows how white text looks on a background with the CIELCh color 41, 30.693, 123.222.

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, 30.693, 123.222

Protanopia

41, 27.548, 96.902

Deuteranopia

41, 25.061, 77.853



Tritanopia
41, 5.539, 260.821

Trichromacy



Original Color
41, 30.693, 123.222

Protanomaly
41, 27.650, 106.928

Deuteranomaly
41, 24.802, 96.368

Tritanomaly
41, 9.194, 139.581

Monochromacy



Original Color
41, 30.693, 123.222

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 11.342, 124.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 30.693, 123.222 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(83, 103, 53)` looks like.

```
.text, #text, p{  
    color:rgb(83, 103, 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(83, 103, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 103, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 30.693, 123.222 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(83, 103, 53) }
```

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

```
.border{ border-color:rgb(83, 103, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 103, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 103, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 103, 53);  
box-shadow:4px 4px 4px 4px rgb(83, 103,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 30.693, 123.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 103, 53) }
```

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

```
.background{ background-color: rgb(83, 103,  
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](#).

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