

Converting Colors

CIELCh(15, 22.850, 83.409)

Have a look what the booklet for
CIELCh(15, 22.850, 83.409) contains.

CIELCh(15, 22.398, 83.734)	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(15, 22.398, 83.734)

Conversions

Conversions Part 1

Format	Color
Hex	322400
RGB	50, 36, 0
RGB Percent	20%, 14%, 0%
CMY	0.8053, 0.8602, 1.0000
CMYK	0.00, 0.28, 1.00, 0.81
HSL	43°, 100%, 10%
HSV	43°, 100%, 19%
XYZ	1.9154, 1.9086, 0.2515
YIQ	36.0820, 19.9000, -8.2280

Conversions

Conversions Part 2

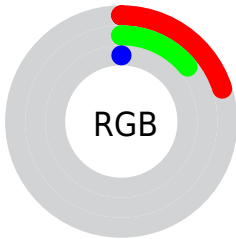
Format	Color
RYB	19, 50, 0
Decimal	3286016
CIELab	15.00, 2.44, 22.26
CIELCh	15, 22.398, 83.734
Yxy	1.9086, 0.4700, 0.4683
Android (android.graphics.Color)	4281476096 (0xFF322400)
YUV	36.0820, -17.7884, 12.2061
Hunter-Lab	13.8151, 0.5722, 8.5911

Details

The CIELCh color **15, 22.398, 83.734** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 26.151, 289.271**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 22.343, 83.054**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 22.187, 83.565**, and if you desaturate by 10%, it is **16, 20.768, 84.725**.

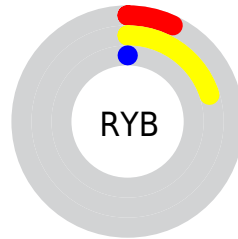
Distribution



Red (20%)

Green (14%)

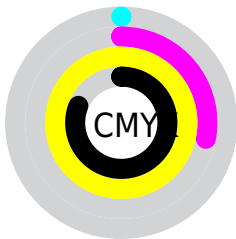
Blue (0%)



Red (7%)

Yellow (20%)

Blue (0%)

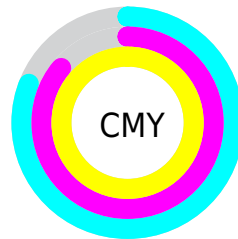


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (81%)



Cyan (81%)

Magenta (86%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 22.398, 83.734 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 15, 22.398, 83.734 by changing the saturation by 10% instead.

 15, 22.398, 83.734

 15, 22.398, 83.734

 100, 22.398,
83.734

 5, 22.398, 83.734

 35, 22.398, 83.734

 0, 22.398, 83.734

 45, 22.398, 83.734

 55, 22.398, 83.734

 65, 22.398, 83.734

 75, 22.398, 83.734

 85, 22.398, 83.734

 95, 22.398, 83.734

■ 15, 22.398, 83.734

■ 15, 22.398, 83.734

■ 15, 22.187, 83.565

■ 16, 20.768, 84.725

■ 16, 19.352, 86.064

■ 17, 17.664, 87.414

■ 17, 15.375, 88.607

■ 18, 12.797, 89.738

■ 18, 10.201, 90.843

■ 19, 7.612, 91.923

■ 19, 5.044, 92.974

■ 20, 2.504, 93.987

Harmonies

Complementary

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



15, 22.398, 83.734



5, 26.151, 289.271

Rectangle

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



15, 22.398, 83.734



15, 22.398, 133.734



15, 22.398, 263.734



15, 22.398, 313.734

Sweetspot

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



15, 22.187, 83.565



25, 9.398, 91.759



6, 25.970, 8.962



11, 6.467, 91.666



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



15, 22.187, 83.565



20, 28.875, 83.040



19, 29.189, 115.502



9, 1.411, 94.160



29, 38.701, 82.271



68, 73.479, 80.189

Inverse Universe

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



5, 26.151, 289.271



7, 34.219, 294.477



3, 33.043, 301.456



8, 1.420, 275.907



12, 45.544, 296.653



35, 94.438, 299.560

Previews

White Background



This preview shows how the CIELCh color 15, 22.398, 83.734 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 15, 22.398, 83.734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

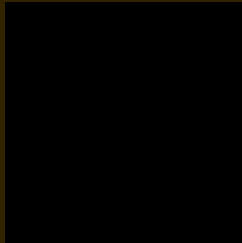
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 22.398, 83.734

Background



This preview shows how black text looks on a background with the CIELCh color 15, 22.398, 83.734.

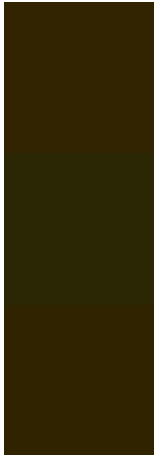


This preview shows how white text looks on a background with the CIELCh color 15, 22.398, 83.734.

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

15, 22.398, 83.734

Protanopia

15, 20.803, 97.350

Deuteranopia

15, 21.904, 86.587



Tritanopia
15, 9.342, 9.048

Trichromacy



Original Color
15, 22.398, 83.734

Protanomaly
15, 20.962, 92.543

Deuteranomaly
15, 22.143, 85.142

Tritanomaly
15, 12.450, 58.664

Monochromacy



Original Color
15, 22.398, 83.734

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 9.563, 90.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 22.398, 83.734 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(50, 36, 0)` looks like.

```
.text, #text, p{  
    color:rgb(50, 36, 0)  
}
```

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(50, 36, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 36, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 22.398, 83.734 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(50, 36, 0) }
```

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

```
.border{ border-color:rgb(50, 36, 0) }
```

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

Here you see how a box with a 4 pixel rgb(50, 36, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 36, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(50, 36, 0); box-shadow:4px  
4px 4px 4px rgb(50, 36, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 22.398, 83.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 36, 0) }
```

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

```
.background{ background-color: rgb(50, 36,  
0) }
```

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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