

Converting Colors

CIELCh(15, 23.896, 22.580)

Have a look what the booklet for
CIELCh(15, 23.896, 22.580) contains.

CIELCh(15, 23.813, 22.382)	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, 23.813, 22.382)

Conversions

Conversions Part 1	
Format	Color
Hex	44171A
RGB	68, 23, 26
RGB Percent	27%, 9%, 10%
CMY	0.7337, 0.9102, 0.8984
CMYK	0.00, 0.66, 0.62, 0.73
HSL	356°, 50%, 18%
HSV	356°, 66%, 27%
XYZ	2.8668, 1.9086, 1.1897
YIQ	36.7970, 25.8570, 10.4730

Conversions

Conversions Part 2

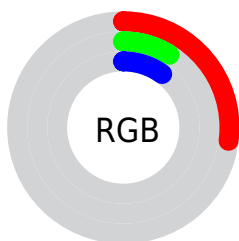
Format	Color
RYB	68, 23, 26
Decimal	4462362
CIELab	15.00, 22.02, 9.07
CIELCh	15, 23.813, 22.382
Yxy	1.9086, 0.4806, 0.3200
Android (android.graphics.Color)	4282652442 (0xFF44171A)
YUV	36.7970, -5.3229, 27.3650
Hunter-Lab	13.8151, 12.8636, 4.5646

Details

The CIELCh color **15, 23.813, 22.382** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **26, 16.315, 189.793**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 23.810, 22.007**, and **0, 0.555, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 27.607, 24.843**, and if you desaturate by 10%, it is **17, 19.898, 20.218**.

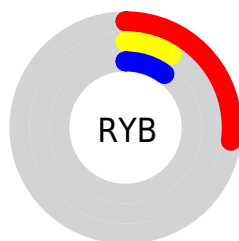
Distribution



Red (27%)

Green (9%)

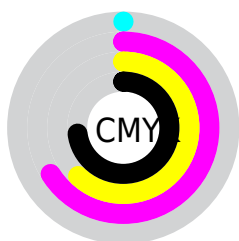
Blue (10%)



Red (27%)

Yellow (9%)

Blue (10%)

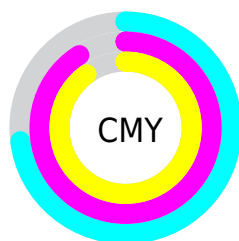


Cyan (0%)

Magenta (66%)

Yellow (62%)

Black (73%)



Cyan (73%)

Magenta (91%)

Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 23.813, 22.382 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, 23.813, 22.382 by changing the saturation by 10% instead.

 15, 23.813, 22.382

 15, 23.813, 22.382

 100, 23.813,
22.382

 5, 23.813, 22.382

 0, 23.813, 22.382

 35, 23.813, 22.382

 45, 23.813, 22.382

 55, 23.813, 22.382

 65, 23.813, 22.382

 75, 23.813, 22.382

 85, 23.813, 22.382

 95, 23.813, 22.382

■ 15, 23.813, 22.382

■ 15, 23.813, 22.382

■ 14, 27.607, 24.843

■ 17, 19.898, 20.218

■ 12, 30.761, 26.243

■ 19, 16.012, 18.478

■ 11, 33.555, 26.196

■ 21, 12.231, 17.077

■ 11, 34.644, 25.991

■ 23, 8.608, 15.939

■ 25, 5.170, 14.996

■ 27, 1.929, 14.150

■ 30, 1.118, 193.866

■ 32, 3.979, 193.162

■ 34, 6.668, 192.671

Harmonies

Complementary

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



15, 23.813, 22.382



26, 16.315, 189.793

Rectangle

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



15, 23.813, 22.382



15, 23.813, 72.382



15, 23.813, 202.382



15, 23.813, 252.382

Sweetspot

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



15, 23.812, 22.385



32, 8.097, 15.409



16, 33.604, 324.805



15, 5.594, 15.535



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



15, 23.812, 22.385



18, 36.475, 27.305



20, 19.825, 59.923



12, 1.693, 14.343



18, 47.008, 32.587



47, 92.255, 37.839

Inverse Universe

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



15, 23.812, 22.385



18, 36.475, 27.305



19, 15.112, 257.287



12, 1.693, 14.343



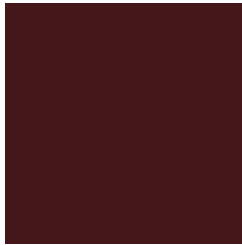
18, 47.008, 32.587



47, 92.255, 37.839

Previews

White Background



This preview shows how the CIE LCh color 15, 23.813, 22.382 looks on a white background.

Color Contrast Check

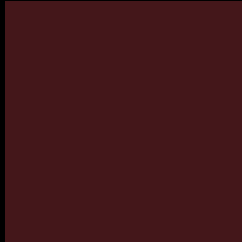
Large Text (above 18pt) WCAG AA ✓ Pass

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, 23.813, 22.382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

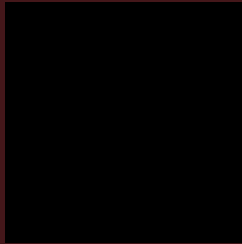
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 23.813, 22.382

Background



This preview shows how black text looks on a background with the CIELCh color 15, 23.813, 22.382.



This preview shows how white text looks on a background with the CIELCh color 15, 23.813, 22.382.

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, 23.813, 22.382

Protanopia

16, 4.316, 95.375

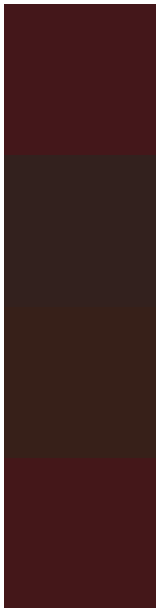
Deuteranopia

15, 10.711, 76.846



Tritanopia
15, 24.199, 25.565

Trichromacy



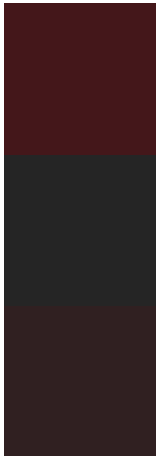
Original Color
15, 23.813, 22.382

Protanomaly
15, 9.868, 33.924

Deuteranomaly
15, 13.826, 42.720

Tritanomaly
15, 23.996, 23.988

Monochromacy



Original Color
15, 23.813, 22.382

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 8.286, 16.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 23.813, 22.382 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(68, 23, 26)` looks like.

```
.text, #text, p{  
    color:rgb(68, 23, 26)  
}
```

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(68, 23, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 23, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 23.813, 22.382 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(68, 23, 26) }
```

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

```
.border{ border-color:rgb(68, 23, 26) }
```

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

Here you see how a box with a 4 pixel rgb(68, 23, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 23, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 23, 26);  
box-shadow:4px 4px 4px 4px rgb(68, 23, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 23.813, 22.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 23, 26) }
```

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

```
.background{ background-color: rgb(68, 23,  
26) }
```

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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