

Converting Colors

CIELCh(30, 23.188, 115.730)

Have a look what the booklet for
CIELCh(30, 23.188, 115.730)
contains.

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Color

CIELCh(30, 23.231, 115.680)

Conversions

Conversions Part 1

Format	Color
Hex	424A25
RGB	66, 74, 37
RGB Percent	26%, 29%, 15%
CMY	0.7401, 0.7088, 0.8539
CMYK	0.11, 0.00, 0.50, 0.71
HSL	73°, 33%, 22%
HSV	73°, 50%, 29%
XYZ	5.0693, 6.2359, 2.7072
YIQ	67.3900, 7.1090, -13.2030

Conversions

Conversions Part 2

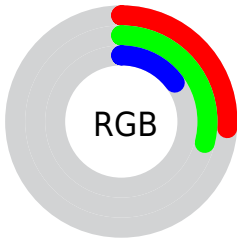
Format	Color
R_{YB}	37, 74, 45
Decimal	4344357
CIE _{Lab}	30.00, -10.07, 20.94
CIE _{LCh}	30, 23.231, 115.680
Yxy	6.2359, 0.3618, 0.4450
Android (android.graphics.Color)	4282534437 (0xFF424A25)
YUV	67.3900, -14.9823, -1.2190
Hunter-Lab	24.9718, -7.4649, 11.0525

Details

The CIELCh color **30, 23.231, 115.680** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **17, 25.845, 302.583**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 23.252, 115.863**, and **10, 17.193, 121.957** is the 20% darker color. If you saturate the color by 10%, you get **30, 27.492, 115.191**, and if you desaturate by 10%, it is **30, 18.753, 116.239**.

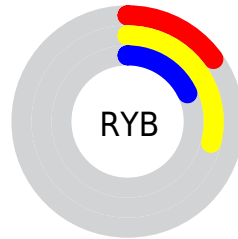
Distribution



Red (26%)

Green (29%)

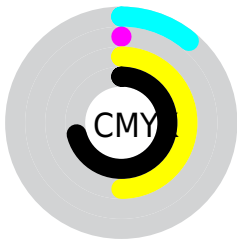
Blue (15%)



Red (15%)

Yellow (29%)

Blue (18%)

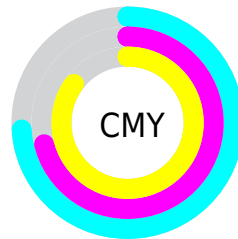


Cyan (11%)

Magenta (0%)

Yellow (50%)

Black (71%)



Cyan (74%)


Magenta (71%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 23.231, 115.680 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 30, 23.231, 115.680 by changing the saturation by 10% instead.


 30, 23.231,
115.680


 30, 23.231,
115.680

 100, 23.231,
115.680


 20, 23.231,
115.680


 50, 23.231,
115.680


 10, 23.231,
115.680

 60, 23.231,
115.680

 0, 23.231, 115.680

 70, 23.231,
115.680

 80, 23.231,
115.680

 90, 23.231,
115.680

■ 30, 23.231,
115.680

■ 30, 23.231,
115.680

■ 30, 27.492,
115.191

■ 30, 18.753,
116.239

■ 30, 31.422,
114.809

■ 31, 14.136,
116.831

■ 29, 34.872,
114.594

■ 31, 9.435, 117.435

■ 29, 37.725,
114.587

■ 31, 4.688, 118.037

■ 32, 0.079, 298.513

■ 29, 40.681,
114.475

■ 32, 4.845, 299.187

■ 29, 40.729,
114.473

■ 32, 9.598, 299.730

■ 33, 14.327,
300.244

■ 33, 19.023,
300.730

Harmonies

Complementary

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



30, 23.231, 115.680



17, 25.845, 302.583

Rectangle

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



30, 23.231, 115.680



30, 23.231, 165.680



30, 23.231, 295.680



30, 23.231, 345.680

Sweetspot

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



30, 23.232, 115.682



40, 8.898, 117.693



22, 16.436, 39.606



20, 5.987, 117.631



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



30, 23.232, 115.682



39, 34.205, 115.085



29, 26.142, 133.480



15, 2.723, 118.105



40, 50.802, 114.947



85, 92.269, 115.744

Inverse Universe

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



17, 25.845, 302.583



20, 39.421, 303.901



20, 27.013, 317.624



14, 2.771, 299.144



10, 66.710, 307.828



30, 121.630, 307.302

Previews

White Background



This preview shows how the CIELCh color 30, 23.231, 115.680 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 CIE LCh color 30, 23.231, 115.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

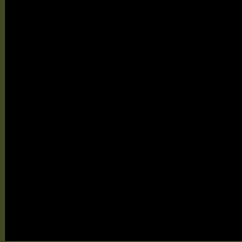
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

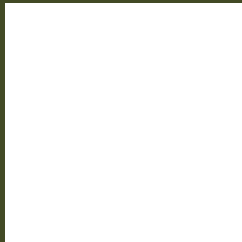
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 23.231, 115.680

Background



This preview shows how black text looks on a background with the CIELCh color 30, 23.231, 115.680.



This preview shows how white text looks on a background with the CIELCh color 30, 23.231, 115.680.

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

30, 23.231, 115.680

Protanopia

30, 22.130, 96.738

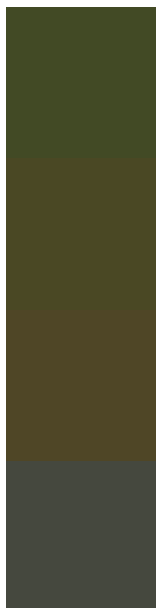
Deuteranopia

30, 20.452, 78.297



Tritanopia
30, 3.877, 297.235

Trichromacy



Original Color
30, 23.231, 115.680

Protanomaly
30, 22.382, 103.335

Deuteranomaly
30, 20.633, 93.508

Tritanomaly
30, 6.518, 121.097

Monochromacy



Original Color
30, 23.231, 115.680

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 8.423, 118.112

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 23.231, 115.680 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(66, 74, 37)` looks like.

```
.text, #text, p{  
    color:rgb(66, 74, 37)  
}
```

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(66, 74, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 74, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 23.231, 115.680 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(66, 74, 37) }
```

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

```
.border{ border-color:rgb(66, 74, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 74, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 74, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 74, 37);  
box-shadow:4px 4px 4px 4px rgb(66, 74, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 23.231, 115.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 74, 37) }
```

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

```
.background{ background-color: rgb(66, 74,  
37) }
```

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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