

Converting Colors

CIELCh(15, 18.581, 114.902)

Have a look what the booklet for
CIELCh(15, 18.581, 114.902)
contains.

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Color

CIELCh(15, 18.333, 114.251)

Conversions

Conversions Part 1

Format	Color
Hex	23280C
RGB	35, 40, 12
RGB Percent	14%, 16%, 5%
CMY	0.8624, 0.8428, 0.9525
CMYK	0.12, 0.00, 0.70, 0.84
HSL	71°, 54%, 10%
HSV	71°, 70%, 16%
XYZ	1.5243, 1.9086, 0.6395
YIQ	35.3130, 6.0080, -9.7680

Conversions

Conversions Part 2

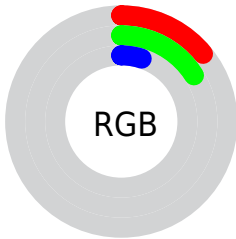
Format	Color
RYB	12, 40, 17
Decimal	2304012
CIELab	15.00, -7.53, 16.72
CIElCh	15, 18.333, 114.251
Yxy	1.9086, 0.3743, 0.4687
Android (android.graphics.Color)	4280494092 (0xFF23280C)
YUV	35.3130, -11.4933, -0.2745
Hunter-Lab	13.8151, -4.4813, 6.9261

Details

The CIELCh color **15, 18.333, 114.251** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 19.996, 299.124**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 18.522, 114.363**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 20.049, 114.552**, and if you desaturate by 10%, it is **15, 16.282, 114.153**.

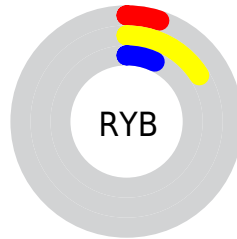
Distribution



Red (14%)

Green (16%)

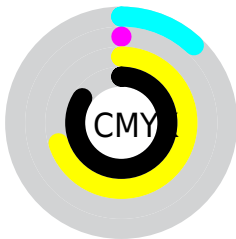
Blue (5%)



Red (5%)

Yellow (16%)

Blue (7%)

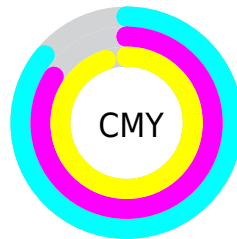


Cyan (12%)

Magenta (0%)

Yellow (70%)

Black (84%)



Cyan (86%)


Magenta (84%)


Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 18.333, 114.251 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, 18.333, 114.251 by changing the saturation by 10% instead.

 15, 18.333,
114.251


 15, 18.333,
114.251


 100, 18.333,
114.251


 5, 18.333, 114.251


 35, 18.333,
114.251

 0, 18.333, 114.251

 45, 18.333,
114.251


 55, 18.333,
114.251


 65, 18.333,
114.251


 75, 18.333,
114.251


 85, 18.333,


114.251


 95, 18.333,
114.251


 15, 18.333,
114.251


 15, 18.333,
114.251


 15, 20.049,
114.552


 15, 16.282,
114.153

 15, 21.721,
114.864

 15, 13.832,
114.409

 15, 23.402,
115.166

 15, 11.132,
114.953

 15, 23.439,
115.173

 16, 8.373, 115.514

 16, 5.578, 116.081

 16, 2.761, 116.644

■ 16, 0.065, 297.177

■ 16, 2.893, 297.731

■ 17, 5.716, 298.248

Harmonies

Complementary

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



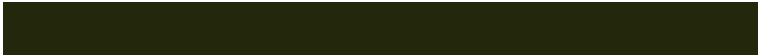
15, 18.333, 114.251



5, 19.996, 299.124

Rectangle

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



15, 18.333, 114.251



15, 18.333, 164.251



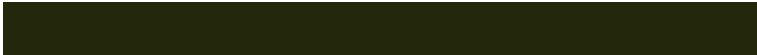
15, 18.333, 294.251



15, 18.333, 344.251

Sweetspot

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



15, 18.334, 114.253



21, 7.259, 115.942



8, 13.523, 31.309



9, 4.568, 117.229



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



15, 18.334, 114.253



20, 26.356, 113.244



14, 20.738, 133.320



6, 1.314, 117.426



33, 44.059, 112.756



80, 86.031, 113.632

Inverse Universe

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



5, 19.996, 299.124



5, 30.555, 302.149



6, 21.741, 316.402



6, 1.316, 296.939



7, 58.205, 307.488



27, 114.901, 307.035

Previews

White Background



This preview shows how the CIE LCh color 15, 18.333, 114.251 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

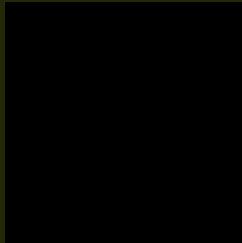
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

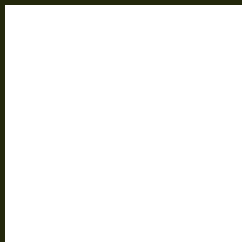
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 18.333, 114.251

Background



This preview shows how black text looks on a background with the CIELCh color 15, 18.333, 114.251.

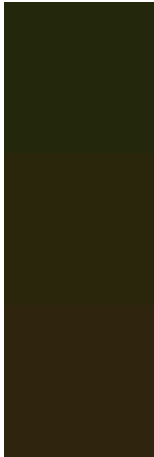


This preview shows how white text looks on a background with the CIELCh color 15, 18.333, 114.251.

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

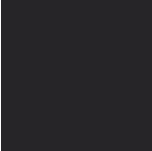
15, 18.333, 114.251

Protanopia

15, 17.058, 98.128

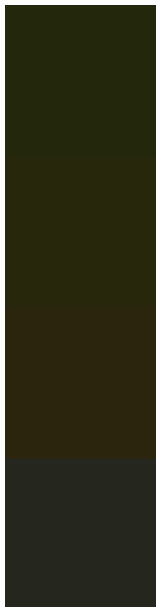
Deuteranopia

15, 16.112, 83.190



Tritanopia
15, 2.185, 303.364

Trichromacy



Original Color
15, 18.333, 114.251

Protanomaly
15, 17.498, 105.671

Deuteranomaly
15, 16.203, 93.815

Tritanomaly
15, 5.644, 113.810

Monochromacy



Original Color
15, 18.333, 114.251

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 7.122, 116.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 18.333, 114.251 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(35, 40, 12)` looks like.

```
.text, #text, p{  
    color:rgb(35, 40, 12)  
}
```

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(35, 40, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 40, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 18.333, 114.251 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(35, 40, 12) }
```

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

```
.border{ border-color:rgb(35, 40, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 40, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 40, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 40, 12);  
box-shadow:4px 4px 4px 4px rgb(35, 40, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 18.333, 114.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 40, 12) }
```

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

```
.background{ background-color: rgb(35, 40,  
12) }
```

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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