

Converting Colors

CIELCh(15, 16.091, 313.949)

Have a look what the booklet for
CIELCh(15, 16.091, 313.949)
contains.

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Color

CIELCh(15, 15.890, 314.558)

Conversions

Conversions Part 1	
Format	Color
Hex	2E2136
RGB	46, 33, 54
RGB Percent	18%, 13%, 21%
CMY	0.8208, 0.8717, 0.7895
CMYK	0.15, 0.39, 0.00, 0.79
HSL	277°, 24%, 17%
HSV	277°, 39%, 21%
XYZ	2.3071, 1.9086, 3.6983
YIQ	39.2810, 1.0070, 9.2870

Conversions

Conversions Part 2

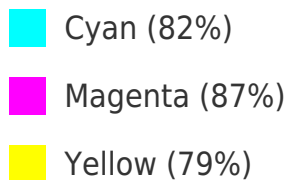
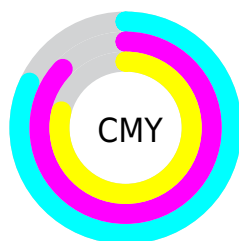
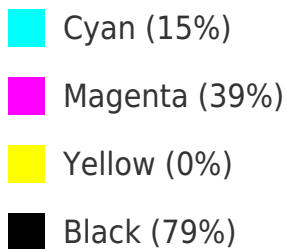
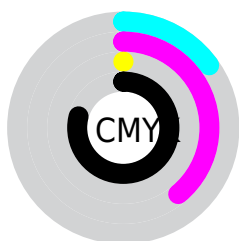
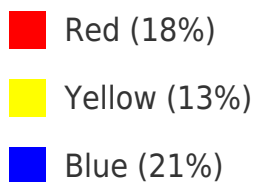
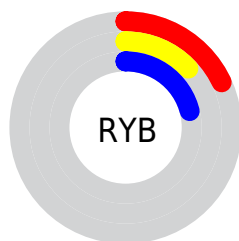
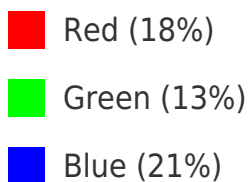
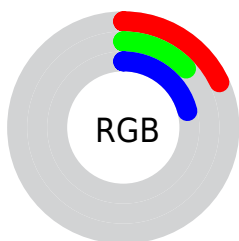
Format	Color
RYB	46, 33, 54
Decimal	3023158
CIELab	15.00, 11.15, -11.32
CIELCh	15, 15.890, 314.558
Yxy	1.9086, 0.2915, 0.2412
Android (android.graphics.Color)	4281213238 (0xFF2E2136)
YUV	39.2810, 7.2565, 5.8926
Hunter-Lab	13.8151, 5.6322, -6.2013

Details

The CIELCh color **15, 15.890, 314.558** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 15.368, 131.583**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 16.222, 314.264**, and **0, 2.823, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **13, 20.035, 314.936**, and if you desaturate by 10%, it is **17, 11.742, 314.171**.


Distribution





Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 15.890, 314.558 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, 15.890, 314.558 by changing the saturation by 10% instead.

 15, 15.890,
314.558


 15, 15.890,
314.558


 100, 15.890,
314.558


 5, 15.890, 314.558


 35, 15.890,
314.558

 0, 15.890, 314.558

 45, 15.890,
314.558


 55, 15.890,
314.558


 65, 15.890,
314.558


 75, 15.890,
314.558


 85, 15.890,


314.558


 95, 15.890,
314.558

 15, 15.890,
314.558


 15, 15.890,
314.558

 13, 20.035,
314.936

 17, 11.742,
314.171

 11, 24.116,
315.285

 19, 7.636, 313.787

 10, 28.039,
315.578

 21, 3.597, 313.410

 23, 0.358, 133.253

 8, 31.679, 315.778

 25, 4.222, 132.769

 7, 34.949, 315.806

 27, 7.991, 132.462

 5, 38.047, 315.664

■ 5, 38.325, 315.643

■ 28, 11.664,
132.184

■ 30, 15.243,
131.931

■ 32, 18.730,
131.703

Harmonies

Complementary

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



15, 15.890, 314.558



21, 15.368, 131.583

Rectangle

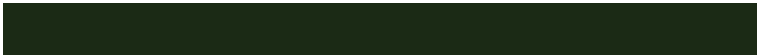
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15, 15.890, 314.558



15, 15.890, 4.558



15, 15.890, 134.558



15, 15.890, 184.558

Sweetspot

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



15, 15.889, 314.558



26, 5.879, 313.541



16, 9.507, 272.273



12, 3.939, 313.545



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



15, 15.889, 314.558



18, 23.633, 314.942



16, 15.970, 329.736



9, 2.276, 313.385



13, 57.382, 315.666



38, 108.668, 314.813

Inverse Universe

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



16, 11.628, 354.145



19, 17.277, 355.411



20, 15.955, 145.315



9, 1.654, 351.161



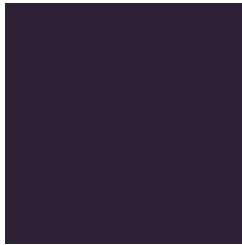
17, 40.081, 9.493



47, 76.107, 14.165

Previews

White Background



This preview shows how the CIELCh color 15, 15.890, 314.558 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, 15.890, 314.558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

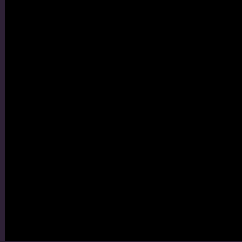
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 15.890, 314.558

Background



This preview shows how black text looks on a background with the CIELCh color 15, 15.890, 314.558.



This preview shows how white text looks on a background with the CIELCh color 15, 15.890, 314.558.

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, 15.890, 314.558

Protanopia

15, 14.229, 284.581

Deuteranopia

15, 11.377, 284.971



Tritanopia
15, 4.033, 348.840

Trichromacy



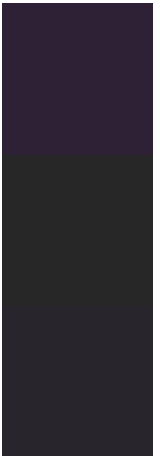
Original Color
15, 15.890, 314.558

Protanomaly
15, 14.908, 295.708

Deuteranomaly
15, 12.860, 299.222

Tritanomaly
15, 7.664, 325.335

Monochromacy



Original Color
15, 15.890, 314.558

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 5.306, 312.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 15.890, 314.558 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(46, 33, 54)` looks like.

```
.text, #text, p{  
    color:rgb(46, 33, 54)  
}
```

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(46, 33, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 33, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 15.890, 314.558 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(46, 33, 54) }
```

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

```
.border{ border-color:rgb(46, 33, 54) }
```

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

Here you see how a box with a 4 pixel rgb(46, 33, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 33, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 33, 54);  
box-shadow:4px 4px 4px 4px rgb(46, 33, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 15.890, 314.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 33, 54) }
```

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

```
.background{ background-color: rgb(46, 33,  
54) }
```

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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