

Converting Colors

CIELCh(15, 9.800, 113.650)

Have a look what the booklet for
CIELCh(15, 9.800, 113.650) contains.

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Color

CIELCh(15, 9.800, 113.650)

Conversions

Conversions Part 1

Format	Color
Hex	252719
RGB	37, 39, 25
RGB Percent	15%, 15%, 10%
CMY	0.8552, 0.8473, 0.9022
CMYK	0.05, 0.00, 0.36, 0.85
HSL	69°, 22%, 13%
HSV	69°, 36%, 15%
XYZ	1.6586, 1.9086, 1.1970
YIQ	36.8060, 3.3020, -4.7780

Conversions

Conversions Part 2

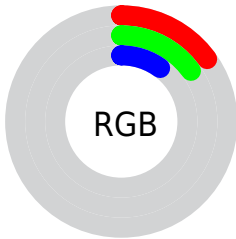
Format	Color
R_{YB}	25, 39, 27
Decimal	2434841
CIE Lab	15.00, -3.93, 8.98
CIE LCh	15, 9.800, 113.650
Yxy	1.9086, 0.3481, 0.4006
Android (android.graphics.Color)	4280624921 (0xFF252719)
YUV	36.8060, -5.8204, 0.1701
Hunter-Lab	13.8151, -2.7464, 4.5333

Details

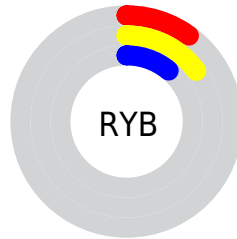
The CIELCh color **15, 9.800, 113.650** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **10, 10.460, 298.373**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 9.942, 113.731**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 12.450, 113.068**, and if you desaturate by 10%, it is **15, 7.103, 114.250**.

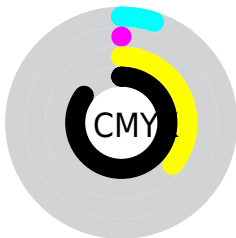
Distribution



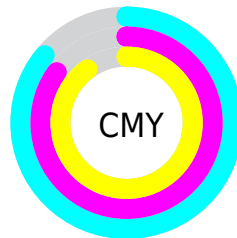
- Red (15%)
- Green (15%)
- Blue (10%)



- Red (10%)
- Yellow (15%)
- Blue (11%)



- Cyan (5%)
- Magenta (0%)
- Yellow (36%)
- Black (85%)



- Cyan (86%)
- Magenta (85%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 9.800, 113.650 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, 9.800, 113.650 by changing the saturation by 10% instead.

■ 15, 9.800, 113.650

■ 15, 9.800, 113.650

■ 100, 9.800,
113.650

■ 5, 9.800, 113.650

■ 35, 9.800, 113.650

■ 0, 9.800, 113.650

■ 45, 9.800, 113.650

■ 55, 9.800, 113.650

■ 65, 9.800, 113.650

■ 75, 9.800, 113.650

■ 85, 9.800, 113.650

■ 95, 9.800, 113.650

■ 15, 9.800, 113.650

■ 15, 9.800, 113.650

■ 15, 12.450,
113.068

■ 15, 7.103, 114.250

■ 15, 14.913,
112.690

■ 15, 4.377, 114.847

■ 15, 1.633, 115.437

■ 15, 16.996,
112.676

■ 16, 1.117, 296.021

■ 15, 18.719,
112.875

■ 16, 3.867, 296.581

■ 16, 6.611, 297.123

■ 14, 20.324,
113.127

■ 16, 9.345, 297.644

■ 14, 21.935,
113.376

■ 17, 12.065,
298.142

■ 14, 22.589,
113.475

■ 17, 14.770,
298.616

Harmonies

Complementary

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



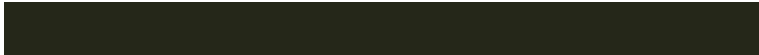
15, 9.800, 113.650



10, 10.460, 298.373

Rectangle

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



15, 9.800, 113.650



15, 9.800, 163.650



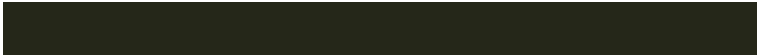
15, 9.800, 293.650



15, 9.800, 343.650

Sweetspot

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



15, 9.801, 113.653



21, 3.796, 115.097



11, 6.725, 32.725



9, 2.465, 115.263



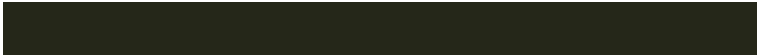
63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



15, 9.801, 113.653



20, 14.648, 113.073



14, 10.831, 132.299



6, 1.310, 115.987



33, 43.785, 110.842



80, 85.402, 111.563

Inverse Universe

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



10, 10.460, 298.373



12, 15.973, 299.291



10, 11.127, 314.804



6, 1.313, 295.582



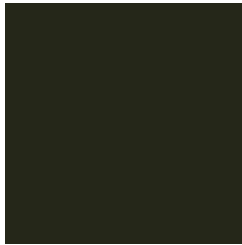
7, 58.360, 307.100



27, 115.320, 306.798

Previews

White Background



This preview shows how the CIELCh color 15, 9.800, 113.650 looks on a white background.

Color Contrast Check

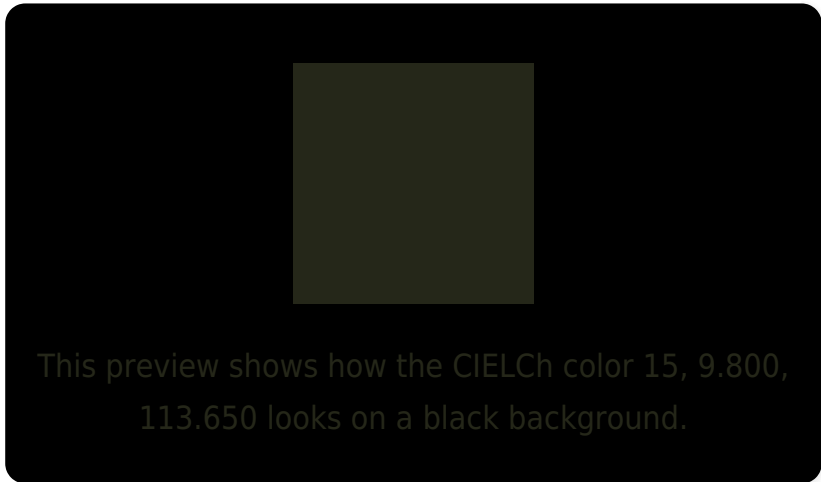
Large Text (above 18pt) WCAG AA ✓ Pass

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

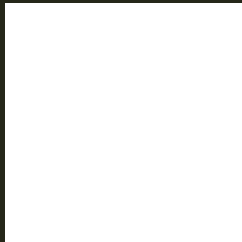
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 9.800, 113.650

Background



This preview shows how black text looks on a background with the CIELCh color 15, 9.800, 113.650.

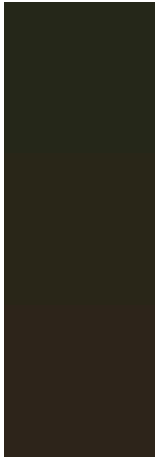


This preview shows how white text looks on a background with the CIELCh color 15, 9.800, 113.650.

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, 9.800, 113.650

Protanopia

15, 9.905, 98.003

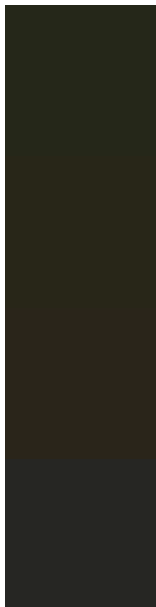
Deuteranopia

15, 8.624, 73.827



Tritanopia
15, 2.340, 314.889

Trichromacy



Original Color

15, 9.800, 113.650

Protanomaly

15, 9.828, 101.120

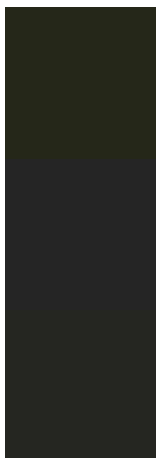
Deuteranomaly

15, 8.193, 88.875

Tritanomaly

15, 2.109, 109.580

Monochromacy



Original Color

15, 9.800, 113.650

Achromatopsia

15, 0.003, 296.813

Achromatomaly

15, 3.557, 117.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 9.800, 113.650 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(37, 39, 25)` looks like.

```
.text, #text, p{  
    color:rgb(37, 39, 25)  
}
```

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(37, 39, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 39, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 9.800, 113.650 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(37, 39, 25) }
```

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

```
.border{ border-color:rgb(37, 39, 25) }
```

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

Here you see how a box with a 4 pixel rgb(37, 39, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 39, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 39, 25);  
box-shadow:4px 4px 4px 4px rgb(37, 39, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 9.800, 113.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 39, 25) }
```

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

```
.background{ background-color: rgb(37, 39,  
25) }
```

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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