

Converting Colors

CIELCh(15, 2.832, 199.684)

Have a look what the booklet for
CIELCh(15, 2.832, 199.684) contains.

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Color

CIELCh(15, 2.814, 198.818)

Conversions

Conversions Part 1

Format	Color
Hex	212727
RGB	33, 39, 39
RGB Percent	13%, 15%, 15%
CMY	0.8711, 0.8476, 0.8476
CMYK	0.15, 0.00, 0.00, 0.85
HSL	180°, 8%, 14%
HSV	180°, 15%, 15%
XYZ	1.7077, 1.9086, 2.1858
YIQ	37.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

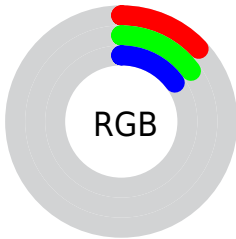
Format	Color
RYB	33, 36, 39
Decimal	2172711
CIELab	15.00, -2.66, -0.91
CIELCh	15, 2.814, 198.818
Yxy	1.9086, 0.2943, 0.3289
Android (android.graphics.Color)	4280362791 (0xFF212727)
YUV	37.2060, 0.8844, -3.6887
Hunter-Lab	13.8151, -2.1118, 0.2899

Details

The CIELCh color **15, 2.814, 198.818** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **13, 3.039, 20.133**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 2.937, 199.089**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 4.532, 198.391**, and if you desaturate by 10%, it is **15, 1.010, 199.339**.

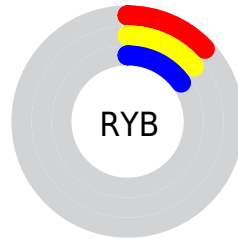
Distribution



Red (13%)

Green (15%)

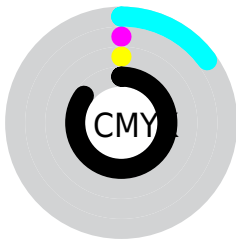
Blue (15%)



Red (13%)

Yellow (14%)

Blue (15%)

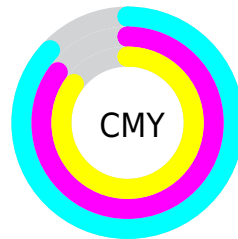


Cyan (15%)

Magenta (0%)

Yellow (0%)

Black (85%)



Cyan (87%)

Magenta (85%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 2.814, 198.818 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, 2.814, 198.818 by changing the saturation by 10% instead.

 15, 2.814, 198.818

 15, 2.814, 198.818

 100, 2.814,
198.818

 5, 2.814, 198.818


 35, 2.814, 198.818

 0, 2.814, 198.818

 45, 2.814, 198.818

 55, 2.814, 198.818

 65, 2.814, 198.818

 75, 2.814, 198.818

 85, 2.814, 198.818

 95, 2.814, 198.818

■ 15, 2.814, 198.818

■ 15, 2.814, 198.818

■ 15, 4.532, 198.391

■ 15, 1.010, 199.339

■ 14, 6.144, 198.016

■ 16, 0.863, 19.390

■ 14, 7.632, 197.679

■ 16, 2.790, 19.990

■ 14, 8.979, 197.379

■ 17, 4.757, 20.487

■ 14, 10.167,
197.118

■ 17, 6.752, 20.977

■ 18, 8.763, 21.470

■ 14, 11.185,
196.897

■ 18, 10.784, 21.964

■ 13, 12.157,
196.688

■ 19, 12.805, 22.459

■ 13, 13.166,
196.473

■ 19, 14.823, 22.951

■ 13, 13.641,
196.373

Harmonies

Complementary

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



15, 2.814, 198.818



13, 3.039, 20.133

Rectangle

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



15, 2.814, 198.818



15, 2.814, 248.818



15, 2.814, 18.818



15, 2.814, 68.818

Sweetspot

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



15, 2.814, 198.807



21, 1.171, 199.347



15, 5.160, 143.304



9, 0.776, 199.352



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, 2.814, 198.807



20, 4.316, 198.599



14, 2.498, 255.226



6, 0.896, 199.520



32, 22.375, 196.371



77, 43.547, 196.370

Inverse Universe

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



13, 3.039, 20.133



18, 4.782, 20.450



14, 2.581, 72.098



6, 0.896, 19.289



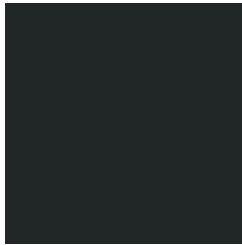
15, 42.655, 33.021



44, 90.857, 39.996

Previews

White Background



This preview shows how the CIELCh color 15, 2.814, 198.818 looks on a white background.

Color Contrast Check

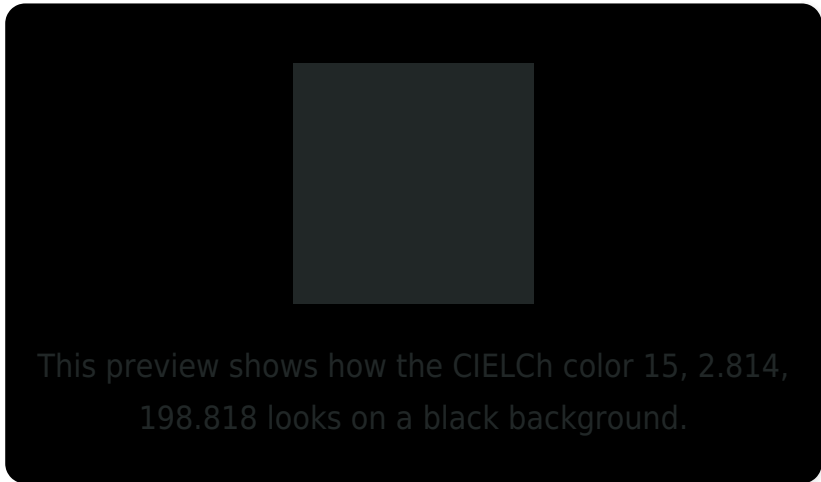
Large Text (above 18pt) WCAG AA ✓ Pass

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

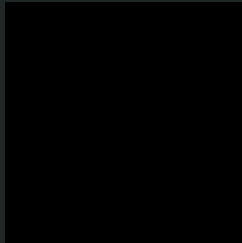
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

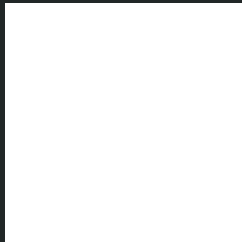
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 2.814, 198.818

Background



This preview shows how black text looks on a background with the CIELCh color 15, 2.814, 198.818.

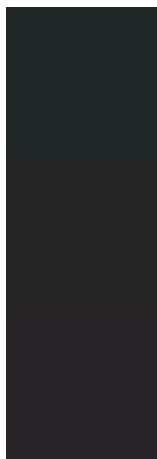


This preview shows how white text looks on a background with the CIELCh color 15, 2.814, 198.818.

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

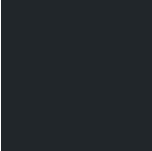
15, 2.814, 198.818

Protanopia

15, 0.865, 324.458

Deuteranopia

15, 2.890, 332.813



Tritanopia
15, 3.585, 251.451

Trichromacy



Original Color

15, 2.814, 198.818

Protanomaly

15, 0.960, 199.364

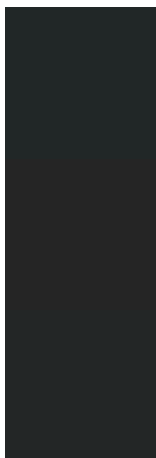
Deuteranomaly

15, 1.418, 290.588

Tritanomaly

15, 3.090, 242.611

Monochromacy



Original Color

15, 2.814, 198.818

Achromatopsia

15, 0.003, 296.813

Achromatomaly

15, 1.434, 199.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 2.814, 198.818 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(33, 39, 39)` looks like.

```
.text, #text, p{  
    color:rgb(33, 39, 39)  
}
```

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(33, 39, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 39, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 2.814, 198.818 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(33, 39, 39) }
```

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

```
.border{ border-color:rgb(33, 39, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 39, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 39, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 39, 39);  
box-shadow:4px 4px 4px 4px rgb(33, 39, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 2.814, 198.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 39, 39) }
```

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

```
.background{ background-color: rgb(33, 39,  
39) }
```

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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