

Converting Colors

CIELCh(15, 14.780, 293.896)

Have a look what the booklet for
CIELCh(15, 14.780, 293.896)
contains.

CIELCh(15, 14.844, 294.111)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(15, 14.844, 294.111)

Conversions

Conversions Part 1

Format	Color
Hex	242439
RGB	36, 36, 57
RGB Percent	14%, 14%, 22%
CMY	0.8599, 0.8599, 0.7776
CMYK	0.37, 0.37, 0.00, 0.78
HSL	240°, 23%, 18%
HSV	240°, 37%, 22%
XYZ	2.0724, 1.9086, 4.0930
YIQ	38.3940, -6.7410, 6.5310

Conversions

Conversions Part 2

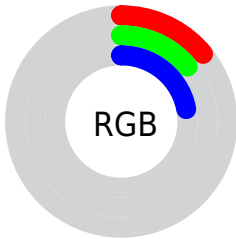
Format	Color
R_{YB}	36, 36, 57
Decimal	2368569
CIE Lab	15.00, 6.06, -13.55
CIE LCh	15, 14.844, 294.111
Yxy	1.9086, 0.2567, 0.2364
Android (android.graphics.Color)	4280558649 (0xFF242439)
YUV	38.3940, 9.1728, -2.0995
Hunter-Lab	13.8151, 2.6001, -7.8951

Details

The CIELCh color **15, 14.844, 294.111** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 13.736, 107.104**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 15.019, 294.116**, and **0, 4.885, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **13, 19.205, 295.567**, and if you desaturate by 10%, it is **17, 10.638, 292.835**.

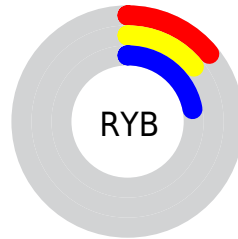
Distribution



Red (14%)

Green (14%)

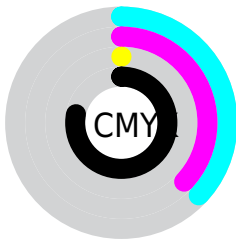
Blue (22%)



Red (14%)

Yellow (14%)

Blue (22%)

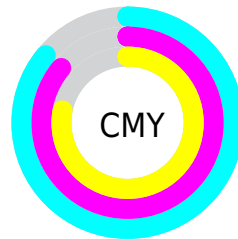


Cyan (37%)

Magenta (37%)

Yellow (0%)

Black (78%)



Cyan (86%)

Magenta (86%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 14.844, 294.111 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, 14.844, 294.111 by changing the saturation by 10% instead.

■ 15, 14.844,
294.111

■ 15, 14.844,
294.111

■ 100, 14.844,
294.111

■ 5, 14.844, 294.111

■ 35, 14.844,
294.111

■ 0, 14.844, 294.111

■ 45, 14.844,
294.111

■ 55, 14.844,
294.111

■ 65, 14.844,
294.111

■ 75, 14.844,
294.111

■ 85, 14.844,

294.111

95, 14.844,
294.111

15, 14.844,
294.111

15, 14.844,
294.111

13, 19.205,
295.567

17, 10.638,
292.835

10, 23.715,
297.205

20, 6.582, 291.726

22, 2.668, 290.767

8, 28.341, 299.004

25, 1.115, 109.897

6, 32.300, 299.961

27, 4.774, 109.187

5, 35.107, 299.856

29, 8.317, 108.556

3, 37.571, 299.192

■ 3, 38.301, 298.986

■ 32, 11.752,
108.002

■ 34, 15.085,
107.517

■ 36, 18.323,
107.089

Harmonies

Complementary

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



15, 14.844, 294.111



23, 13.736, 107.104

Rectangle

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



15, 14.844, 294.111



15, 14.844, 344.111



15, 14.844, 114.111



15, 14.844, 164.111

Sweetspot

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



15, 14.844, 294.111



28, 5.265, 291.183



22, 8.736, 196.291



13, 3.573, 291.215



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



15, 14.844, 294.111



18, 22.402, 295.432



16, 15.398, 310.067



9, 2.093, 290.884



7, 63.214, 306.165



27, 119.390, 306.282

Inverse Universe

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



17, 10.817, 22.077



21, 16.500, 23.184



22, 14.702, 126.995



9, 1.459, 19.704



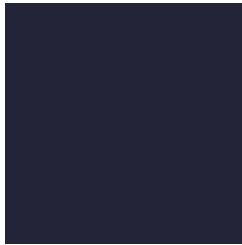
17, 46.050, 34.440



46, 93.297, 39.984

Previews

White Background



This preview shows how the CIELCh color 15, 14.844, 294.111 looks on a white background.

Color Contrast Check

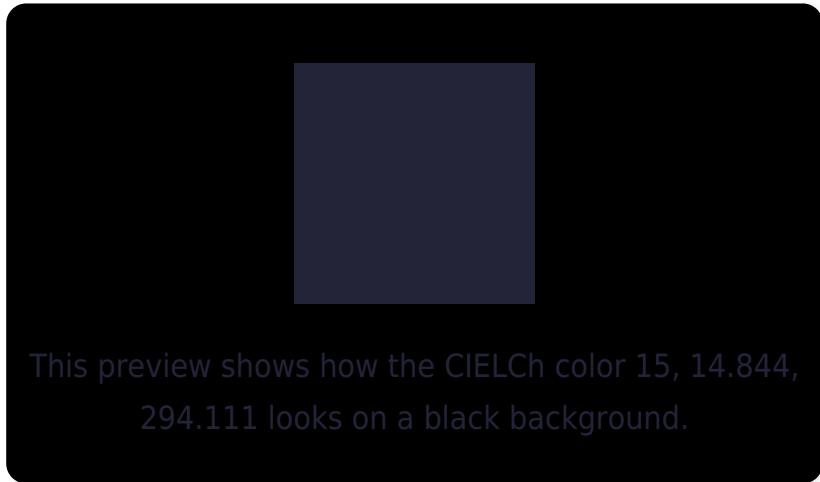
Large Text (above 18pt) WCAG AA ✓ Pass

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

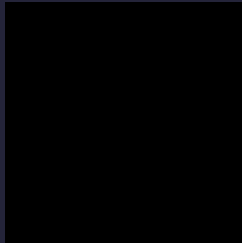
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 14.844, 294.111

Background



This preview shows how black text looks on a background with the CIELCh color 15, 14.844, 294.111.



This preview shows how white text looks on a background with the CIELCh color 15, 14.844, 294.111.

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

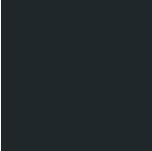
15, 14.844, 294.111

Protanopia

15, 14.963, 283.921

Deuteranopia

15, 13.016, 278.103



Tritanopia
15, 3.766, 233.220

Trichromacy



Original Color
15, 14.844, 294.111

Protanomaly
15, 14.875, 286.675

Deuteranomaly
15, 13.543, 283.822

Tritanomaly
15, 6.654, 272.831

Monochromacy



Original Color
15, 14.844, 294.111

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 5.662, 291.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 14.844, 294.111 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(36, 36, 57)` looks like.

```
.text, #text, p{  
    color:rgb(36, 36, 57)  
}
```

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(36, 36, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 36, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 14.844, 294.111 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(36, 36, 57) }
```

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

```
.border{ border-color:rgb(36, 36, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 36, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 36, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 36, 57);  
box-shadow:4px 4px 4px 4px rgb(36, 36, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 14.844, 294.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 36, 57) }
```

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

```
.background{ background-color: rgb(36, 36,  
57) }
```

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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