

Converting Colors

CIELCh(15, 23.901, 294.043)

Have a look what the booklet for
CIELCh(15, 23.901, 294.043)
contains.

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Color

CIELCh(15, 23.936, 293.871)

Conversions

Conversions Part 1

Format	Color
Hex	202345
RGB	32, 35, 69
RGB Percent	13%, 14%, 27%
CMY	0.8760, 0.8641, 0.7309
CMYK	0.54, 0.49, 0.00, 0.73
HSL	235°, 37%, 20%
HSV	235°, 54%, 27%
XYZ	2.2379, 1.9086, 5.8196
YIQ	37.9790, -12.7020, 9.9380

Conversions

Conversions Part 2

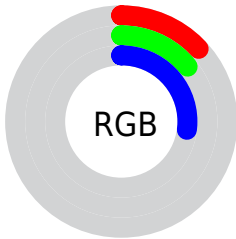
Format	Color
R_{YB}	32, 35, 69
Decimal	2106181
CIE _{Lab}	15.00, 9.69, -21.89
CIE _{LCh}	15, 23.936, 293.871
Yxy	1.9086, 0.2245, 0.1915
Android (android.graphics.Color)	4280296261 (0xFF202345)
YUV	37.9790, 15.2934, -5.2436
Hunter-Lab	13.8151, 4.7379, -15.3051




Details

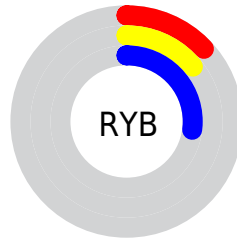
The CIELCh color **15, 23.936, 293.871** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **27, 21.456, 101.667**, and the grayscale version is **15, 0.003, 296.813**.




A 20% lighter version of the original color is **35, 24.350, 294.107**, and **1, 12.512, 288.908** is the 20% darker color. If you saturate the color by 10%, you get **12, 28.879, 295.849**, and if you desaturate by 10%, it is **18, 19.150, 292.106**.

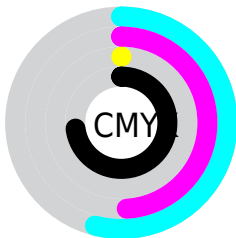
Distribution







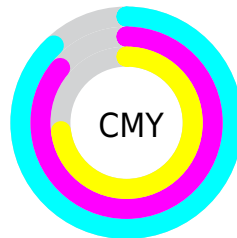
-  Red (13%)
-  Green (14%)
-  Blue (27%)






-  Red (13%)
-  Yellow (14%)
-  Blue (27%)



-  Cyan (54%)
-  Magenta (49%)
-  Yellow (0%)
-  Black (73%)



-  Cyan (88%)
-  Magenta (86%)
-  Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 23.936, 293.871 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, 23.936, 293.871 by changing the saturation by 10% instead.

■ 15, 23.936,
293.871

■ 15, 23.936,
293.871

■ 100, 23.936,
293.871

■ 5, 23.936, 293.871

■ 35, 23.936,
293.871

■ 0, 23.936, 293.871

■ 45, 23.936,
293.871

■ 55, 23.936,
293.871

■ 65, 23.936,
293.871

■ 75, 23.936,
293.871

■ 85, 23.936,

293.871

■ 95, 23.936,
293.871

■ 15, 23.936,
293.871

■ 15, 23.936,
293.871

■ 12, 28.879,
295.849

■ 18, 19.150,
292.106

■ 10, 33.932,
297.998

■ 20, 14.531,
290.555

■ 8, 38.962, 300.215

■ 23, 10.073,
289.206

■ 6, 43.001, 301.433

■ 25, 5.766, 288.038

■ 5, 45.032, 301.647

■ 28, 1.599, 287.043

■ 31, 2.438, 106.113

■ 33, 6.353, 105.355

■ 36, 10.153,
104.685

■ 38, 13.845,
104.095

Harmonies

Complementary

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



15, 23.936, 293.871



27, 21.456, 101.667

Rectangle

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



15, 23.936, 293.871



15, 23.936, 343.871



15, 23.936, 113.871



15, 23.936, 163.871

Sweetspot

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



15, 23.936, 293.872



33, 8.285, 288.341



26, 14.300, 188.959



15, 5.650, 288.440



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



15, 23.936, 293.872



17, 36.763, 296.636



16, 26.548, 308.916



11, 2.221, 287.472



9, 61.193, 304.219



29, 117.766, 305.426

Inverse Universe

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



17, 19.098, 18.651



21, 29.226, 21.638



27, 24.378, 123.770



12, 1.696, 13.107



18, 46.728, 31.954



47, 91.543, 37.222

Previews

White Background



This preview shows how the CIELCh color 15, 23.936, 293.871 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, 23.936, 293.871 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, 23.936, 293.871

Background



This preview shows how black text looks on a background with the CIELCh color 15, 23.936, 293.871.



This preview shows how white text looks on a background with the CIELCh color 15, 23.936, 293.871.

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

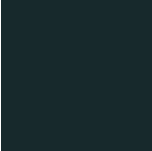
15, 23.936, 293.871

Protanopia

15, 24.172, 284.314

Deuteranopia

15, 22.078, 274.702



Tritanopia
15, 7.724, 213.913

Trichromacy



Original Color
15, 23.936, 293.871

Protanomaly
15, 24.072, 287.443

Deuteranomaly
15, 22.319, 280.543

Tritanomaly
15, 10.876, 265.066

Monochromacy



Original Color
15, 23.936, 293.871

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 8.487, 289.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 23.936, 293.871 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(32, 35, 69)` looks like.

```
.text, #text, p{  
    color:rgb(32, 35, 69)  
}
```

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(32, 35, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 35, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 23.936, 293.871 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(32, 35, 69) }
```

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

```
.border{ border-color:rgb(32, 35, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 35, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 35, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 35, 69);  
box-shadow:4px 4px 4px 4px rgb(32, 35, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 23.936, 293.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 35, 69) }
```

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

```
.background{ background-color: rgb(32, 35,  
69) }
```

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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