

Converting Colors

CIELCh(15, 60.360, 300.685)

Have a look what the booklet for
CIELCh(15, 60.360, 300.685)
contains.

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Color

CIELCh(15, 60.080, 300.632)

Conversions

Conversions Part 1

Format	Color
Hex	031971
RGB	3, 25, 113
RGB Percent	1%, 10%, 44%
CMY	0.9880, 0.9019, 0.5568
CMYK	0.97, 0.78, 0.00, 0.56
HSL	228°, 95%, 23%
HSV	228°, 97%, 44%
XYZ	3.3683, 1.9086, 15.8209
YIQ	28.4540, -41.3600, 22.7040

Conversions

Conversions Part 2

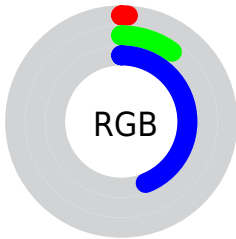
Format	Color
R_{YB}	3, 21, 113
Decimal	203121
CIE _{Lab}	15.00, 30.61, -51.70
CIE _{LCh}	15, 60.080, 300.632
Yxy	1.9086, 0.1597, 0.0905
Android (android.graphics.Color)	4278393201 (0xFF031971)
YUV	28.4540, 41.6812, -22.3232
Hunter-Lab	13.8151, 19.3437, -58.2273

Details

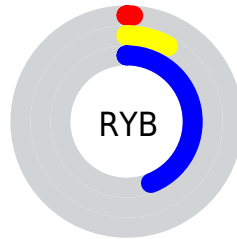
The CIELCh color **15, 60.080, 300.632** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **40, 46.319, 88.974**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 59.949, 300.623**, and **3, 44.330, 301.844** is the 20% darker color. If you saturate the color by 10%, you get **14, 61.756, 301.239**, and if you desaturate by 10%, it is **18, 53.607, 297.976**.

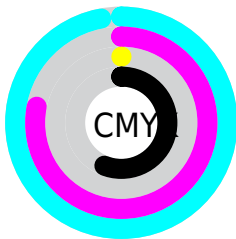
Distribution



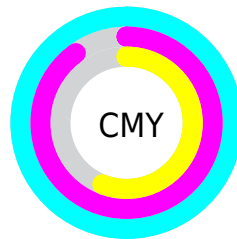
- Red (1%)
- Green (10%)
- Blue (44%)



- Red (1%)
- Yellow (8%)
- Blue (44%)



- Cyan (97%)
- Magenta (78%)
- Yellow (0%)
- Black (56%)



- Cyan (99%)
- Magenta (90%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 60.080, 300.632 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, 60.080, 300.632 by changing the saturation by 10% instead.

■ 15, 60.080,
300.632

■ 15, 60.080,
300.632

■ 100, 60.080,
300.632

■ 5, 60.080, 300.632

■ 35, 60.080,
300.632

■ 0, 60.080, 300.632

■ 45, 60.080,
300.632


■ 55, 60.080,
300.632


■ 65, 60.080,
300.632


■ 75, 60.080,
300.632


■ 85, 60.080,


300.632


 95, 60.080,
300.632


 15, 60.080,
300.632


 15, 60.080,
300.632


 14, 61.756,
301.239

 18, 53.607,
297.976

 21, 46.880,
295.126

 24, 40.182,
292.380

 27, 33.653,
289.858

 31, 27.334,
287.615

■ 34, 21.223,
285.656

■ 38, 15.304,
283.962

■ 41, 9.560, 282.505

■ 45, 3.978, 281.260

Harmonies

Complementary

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



15, 60.080, 300.632



40, 46.319, 88.974

Rectangle

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



15, 60.080, 300.632



15, 60.080, 350.632



15, 60.080, 120.632



15, 60.080, 170.632

Sweetspot

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



15, 60.081, 300.633



48, 20.349, 284.361



42, 33.307, 172.129



23, 13.940, 284.911



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



15, 60.081, 300.633



20, 76.816, 301.985



13, 69.337, 308.561



22, 3.058, 281.457



16, 64.776, 301.422



36, 116.173, 302.910

Inverse Universe

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



22, 48.788, 25.705



30, 61.375, 28.424



44, 55.064, 119.138



22, 2.741, 3.996



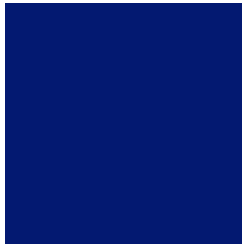
24, 52.193, 27.189



52, 91.708, 30.551

Previews

White Background



This preview shows how the CIE LCh color 15, 60.080, 300.632 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, 60.080, 300.632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

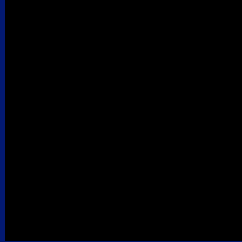
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 60.080, 300.632

Background



This preview shows how black text looks on a background with the CIELCh color 15, 60.080, 300.632.



This preview shows how white text looks on a background with the CIELCh color 15, 60.080, 300.632.

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, 60.080, 300.632

Protanopia

15, 29.953, 282.097

Deuteranopia

16, 20.819, 265.514



Tritanopia
15, 14.371, 202.208

Trichromacy



Original Color
15, 60.080, 300.632

Protanomaly
15, 41.377, 292.481

Deuteranomaly
15, 34.676, 287.774

Tritanomaly
14, 24.268, 275.723

Monochromacy



Original Color
15, 60.080, 300.632

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 23.378, 290.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 60.080, 300.632 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(3, 25, 113)` looks like.

```
.text, #text, p{  
    color:rgb(3, 25, 113)  
}
```

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(3, 25, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 25, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 60.080, 300.632 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(3, 25, 113) }
```

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

```
.border{ border-color:rgb(3, 25, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 25, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 25, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 25, 113);  
box-shadow:4px 4px 4px 4px rgb(3, 25, 113)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 60.080, 300.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 25, 113) }
```

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

```
.background{ background-color: rgb(3, 25,  
113) }
```

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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