

Converting Colors

CIELCh(37, 63.412, 289.834)

Have a look what the booklet for
CIELCh(37, 63.412, 289.834)
contains.

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Color

CIELCh(37, 63.967, 290.120)

Conversions

Conversions Part 1

Format	Color
Hex	0F51B9
RGB	15, 81, 185
RGB Percent	6%, 32%, 73%
CMY	0.9411, 0.6814, 0.2734
CMYK	0.92, 0.56, 0.00, 0.27
HSL	217°, 85%, 39%
HSV	217°, 92%, 73%
XYZ	11.9455, 9.5379, 47.2732
YIQ	73.1220, -72.7200, 18.3520

Conversions

Conversions Part 2

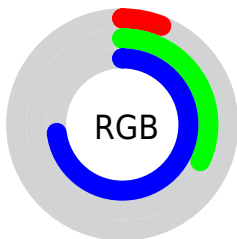
Format	Color
R _Y B	15, 63, 185
Decimal	1003961
CIE Lab	37.00, 22.00, -60.06
CIE LCh	37, 63.967, 290.120
Yxy	9.5379, 0.1737, 0.1387
Android (android.graphics.Color)	4279194041 (0xFF0F51B9)
YUV	73.1220, 55.1559, -50.9730
Hunter-Lab	30.8835, 14.9959, -69.1363

Details

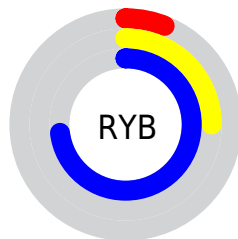
The CIELCh color **37, 63.967, 290.120** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **56, 62.317, 72.459**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 63.760, 289.935**, and **20, 61.857, 297.847** is the 20% darker color. If you saturate the color by 10%, you get **34, 70.126, 293.187**, and if you desaturate by 10%, it is **41, 56.500, 286.227**.

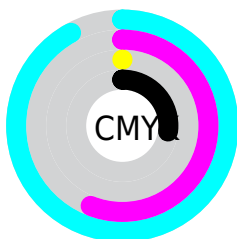
Distribution



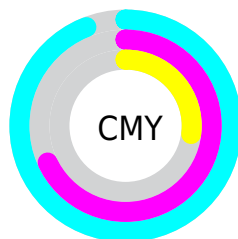
- Red (6%)
- Green (32%)
- Blue (73%)



- Red (6%)
- Yellow (25%)
- Blue (73%)



- Cyan (92%)
- Magenta (56%)
- Yellow (0%)
- Black (27%)





- Cyan (94%)
- Magenta (68%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 63.967, 290.120 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 37, 63.967, 290.120 by changing the saturation by 10% instead.


 37, 63.967,
290.120


 37, 63.967,
290.120

 100, 63.967,
290.120


 27, 63.967,
290.120

 57, 63.967,
290.120


 17, 63.967,
290.120


 67, 63.967,
290.120

 7, 63.967, 290.120

 77, 63.967,
290.120

 0, 63.967, 290.120

 87, 63.967,
290.120

 97, 63.967,
290.120

■ 37, 63.967,
290.120

■ 37, 63.967,
290.120

■ 34, 70.126,
293.187

■ 41, 56.500,
286.227

■ 44, 49.218,
282.537

■ 48, 42.111,
279.186

■ 53, 35.134,
276.233

■ 57, 28.247,
273.678

■ 61, 21.424,
271.492

■ 66, 14.652,
269.630

■ 70, 7.931, 268.052

Harmonies

Complementary

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



37, 63.967, 290.120



56, 62.317, 72.459

Rectangle

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



37, 63.967, 290.120



37, 63.967, 340.120



37, 63.967, 110.120



37, 63.967, 160.120

Sweetspot

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



37, 63.967, 290.122



80, 23.152, 270.817



67, 59.879, 156.551



40, 16.000, 271.664



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



37, 63.967, 290.122



44, 86.544, 293.846



24, 100.425, 306.106



37, 3.746, 267.690



29, 60.743, 292.631



3, 11.285, 274.872

Inverse Universe

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



40, 64.908, 8.844



51, 81.288, 13.711



72, 74.999, 108.751



36, 4.537, 350.890



33, 58.659, 11.968



2, 11.570, 357.012

Previews

White Background



This preview shows how the CIELCh color 37, 63.967, 290.120 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 CIE LCh color 37, 63.967, 290.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

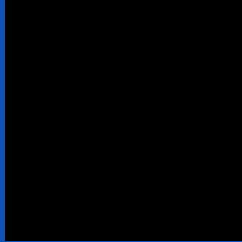
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 63.967, 290.120

Background



This preview shows how black text looks on a background with the CIELCh color 37, 63.967, 290.120.



This preview shows how white text looks on a background with the CIELCh color 37, 63.967, 290.120.

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

37, 63.959, 290.167

Protanopia

37, 58.141, 286.580

Deuteranopia

37, 41.252, 274.007



Tritanopia
37, 23.770, 205.697

Trichromacy



Original Color
37, 63.959, 290.167

Protanomaly
37, 60.453, 288.008

Deuteranomaly
37, 49.497, 281.759

Tritanomaly
36, 29.965, 257.036

Monochromacy



Original Color
37, 63.959, 290.167

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 24.816, 276.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 63.967, 290.120 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(15, 81, 185)` looks like.

```
.text, #text, p{  
    color:rgb(15, 81, 185)  
}
```

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(15, 81, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 81, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 63.967, 290.120 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(15, 81, 185) }
```

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

```
.border{ border-color:rgb(15, 81, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 81, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 81, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 81, 185);  
box-shadow:4px 4px 4px 4px rgb(15, 81,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 63.967, 290.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 81, 185) }
```

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

```
.background{ background-color: rgb(15, 81,  
185) }
```

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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