

Converting Colors

CIELCh(30, 36.890, 292.963)

Have a look what the booklet for
CIELCh(30, 36.890, 292.963)
contains.

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Color

CIELCh(30, 37.019, 292.892)

Conversions

Conversions Part 1

Format	Color
Hex	3A427C
RGB	58, 66, 124
RGB Percent	23%, 26%, 49%
CMY	0.7729, 0.7415, 0.5141
CMYK	0.53, 0.47, 0.00, 0.51
HSL	233°, 36%, 36%
HSV	233°, 53%, 49%
XYZ	7.3145, 6.2359, 19.8549
YIQ	70.2200, -23.3860, 16.3420

Conversions

Conversions Part 2

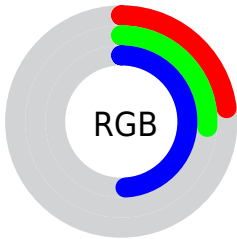
Format	Color
R_{YB}	58, 65, 124
Decimal	3818108
CIE _{Lab}	30.00, 14.40, -34.10
CIE _{LCh}	30, 37.019, 292.892
Yxy	6.2359, 0.2190, 0.1867
Android (android.graphics.Color)	4282008188 (0xFF3A427C)
YUV	70.2200, 26.5135, -10.7169
Hunter-Lab	24.9718, 8.5838, -29.6607

Details

The CIELCh color **30, 37.019, 292.892** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **48, 33.258, 99.169**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 36.834, 292.777**, and **10, 37.135, 293.534** is the 20% darker color. If you saturate the color by 10%, you get **26, 44.780, 295.192**, and if you desaturate by 10%, it is **34, 29.516, 290.849**.

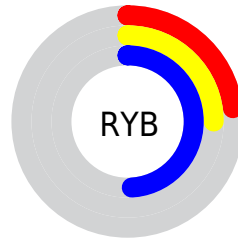
Distribution



Red (23%)

Green (26%)

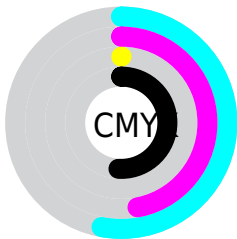
Blue (49%)



Red (23%)

Yellow (25%)

Blue (49%)

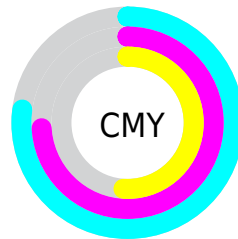


Cyan (53%)

Magenta (47%)

Yellow (0%)

Black (51%)



Cyan (77%)

Magenta (74%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 37.019, 292.892 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 30, 37.019, 292.892 by changing the saturation by 10% instead.

■ 30, 37.019,
292.892

■ 30, 37.019,
292.892

■ 100, 37.019,
292.892

■ 20, 37.019,
292.892

■ 50, 37.019,
292.892

■ 10, 37.019,
292.892

■ 60, 37.019,
292.892

■ 0, 37.019, 292.892

■ 70, 37.019,
292.892

■ 80, 37.019,
292.892

■ 90, 37.019,
292.892

■ 30, 37.019,
292.892

■ 30, 37.019,
292.892

■ 26, 44.780,
295.192

■ 34, 29.516,
290.849

■ 22, 52.708,
297.687

■ 38, 22.287,
289.069

■ 19, 60.549,
300.240

■ 42, 15.318,
287.535

■ 16, 67.765,
302.619

■ 47, 8.590, 286.221

■ 14, 71.953,
303.862

■ 51, 2.085, 285.119

■ 55, 4.213, 104.085

■ 59, 10.318,
103.253

■ 63, 16.243,
102.523

■ 67, 21.996,
101.884

Harmonies

Complementary

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



30, 37.019, 292.892



48, 33.258, 99.169

Rectangle

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



30, 37.019, 292.892



30, 37.019, 342.892



30, 37.019, 112.892



30, 37.019, 162.892

Sweetspot

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



30, 37.019, 292.893



58, 12.879, 286.609



48, 23.372, 183.984



29, 8.787, 286.824



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



30, 37.019, 292.893



34, 56.245, 295.742



30, 42.746, 307.643



24, 3.587, 285.728



15, 72.435, 303.880



34, 126.231, 304.875

Inverse Universe

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



33, 30.742, 16.426



40, 46.197, 19.565



49, 38.613, 121.679



24, 2.884, 10.088



25, 56.597, 32.890



53, 98.153, 35.615

Previews

White Background



This preview shows how the CIE LCh color 30, 37.019, 292.892 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 30, 37.019, 292.892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

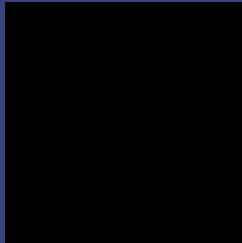
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 37.019, 292.892

Background



This preview shows how black text looks on a background with the CIELCh color 30, 37.019, 292.892.



This preview shows how white text looks on a background with the CIELCh color 30, 37.019, 292.892.

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

30, 37.019, 292.892

Protanopia

30, 37.244, 285.829

Deuteranopia

30, 34.128, 278.178



Tritanopia
30, 12.594, 215.664

Trichromacy



Original Color
30, 37.019, 292.892

Protanomaly
30, 37.139, 287.997

Deuteranomaly
30, 34.934, 283.341

Tritanomaly
30, 17.616, 265.233

Monochromacy



Original Color
30, 37.019, 292.892

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 13.493, 287.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 37.019, 292.892 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(58, 66, 124)` looks like.

```
.text, #text, p{  
    color:rgb(58, 66, 124)  
}
```

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(58, 66, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 66, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 37.019, 292.892 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(58, 66, 124) }
```

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

```
.border{ border-color:rgb(58, 66, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 66, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 66, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 66, 124);  
box-shadow:4px 4px 4px 4px rgb(58, 66,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 37.019, 292.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 66, 124) }
```

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

```
.background{ background-color: rgb(58, 66,  
124) }
```

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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