

Converting Colors

CIELCh(37, 34.772, 292.502)

Have a look what the booklet for
CIELCh(37, 34.772, 292.502)
contains.

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Color

CIELCh(37, 34.543, 292.310)

Conversions

Conversions Part 1

Format	Color
Hex	4D538B
RGB	77, 83, 139
RGB Percent	30%, 33%, 55%
CMY	0.6997, 0.6760, 0.4566
CMYK	0.45, 0.40, 0.00, 0.46
HSL	234°, 29%, 42%
HSV	234°, 45%, 54%
XYZ	10.7179, 9.5379, 25.5356
YIQ	87.5900, -21.5520, 16.1440

Conversions

Conversions Part 2

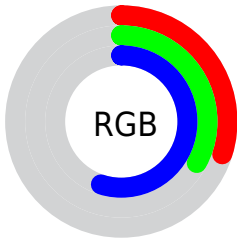
Format	Color
R_{YB}	77, 82, 139
Decimal	5067659
CIE Lab	37.00, 13.11, -31.96
CIE LCh	37, 34.543, 292.310
Yxy	9.5379, 0.2341, 0.2083
Android (android.graphics.Color)	4283257739 (0xFF4D538B)
YUV	87.5900, 25.3451, -9.2874
Hunter-Lab	30.8835, 7.9011, -27.4045

Details

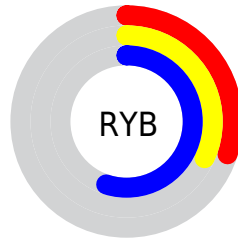
The CIELCh color **37, 34.543, 292.310** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **55, 31.524, 101.328**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 34.806, 292.530**, and **17, 34.503, 292.073** is the 20% darker color. If you saturate the color by 10%, you get **32, 43.086, 294.394**, and if you desaturate by 10%, it is **42, 26.314, 290.490**.

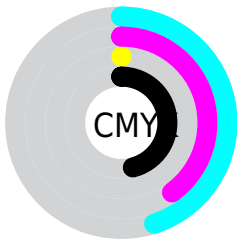
Distribution



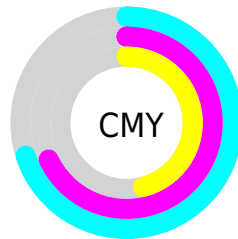
- Red (30%)
- Green (33%)
- Blue (55%)



- Red (30%)
- Yellow (32%)
- Blue (55%)



- Cyan (45%)
- Magenta (40%)
- Yellow (0%)
- Black (46%)





- Cyan (70%)
- Magenta (68%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 34.543, 292.310 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, 34.543, 292.310 by changing the saturation by 10% instead.


 37, 34.543,
292.310


 37, 34.543,
292.310

 100, 34.543,
292.310


 27, 34.543,
292.310

 57, 34.543,
292.310


 17, 34.543,
292.310


 67, 34.543,
292.310

 7, 34.543, 292.310

 77, 34.543,
292.310

 0, 34.543, 292.310

 87, 34.543,
292.310

 97, 34.543,
292.310

■ 37, 34.543,
292.310

■ 37, 34.543,
292.310

■ 32, 43.086,
294.394

■ 42, 26.314,
290.490

■ 28, 51.899,
296.717

■ 46, 18.396,
288.923

■ 24, 60.813,
299.191

■ 51, 10.768,
287.581

■ 20, 69.398,
301.639

■ 56, 3.406, 286.445

■ 17, 76.861,
303.783

■ 60, 3.708, 105.412

■ 16, 80.058,
304.609

■ 65, 10.593,
104.575

■ 69, 17.262,
103.842

■ 74, 23.729,
103.202

■ 78, 30.005,
102.643

Harmonies

Complementary

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



37, 34.543, 292.310



55, 31.524, 101.328

Rectangle

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



37, 34.543, 292.310



37, 34.543, 342.310



37, 34.543, 112.310



37, 34.543, 162.310

Sweetspot

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



37, 34.542, 292.310



66, 11.788, 287.404



54, 21.805, 187.749



34, 8.342, 287.649



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



37, 34.542, 292.310



43, 52.923, 294.495



38, 39.134, 308.099



27, 4.064, 286.920



15, 77.341, 304.534



0, 1.860, 285.936

Inverse Universe

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



40, 27.970, 16.625



48, 42.826, 18.812



54, 36.176, 123.323



27, 3.170, 12.024



27, 60.157, 34.593



0, 1.431, 11.366

Previews

White Background



This preview shows how the CIE LCh color 37, 34.543, 292.310 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, 34.543, 292.310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

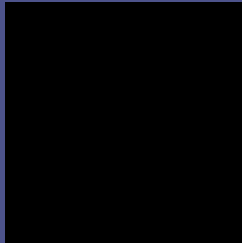
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 34.543, 292.310

Background



This preview shows how black text looks on a background with the CIELCh color 37, 34.543, 292.310.



This preview shows how white text looks on a background with the CIELCh color 37, 34.543, 292.310.

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, 34.543, 292.310

Protanopia

37, 34.767, 285.670

Deuteranopia

37, 32.068, 280.165



Tritanopia
37, 10.475, 226.706

Trichromacy



Original Color
37, 34.543, 292.310

Protanomaly
37, 34.669, 287.957

Deuteranomaly
37, 32.989, 284.711

Tritanomaly
37, 16.472, 269.753

Monochromacy



Original Color
37, 34.543, 292.310

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 13.016, 288.884

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 34.543, 292.310 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(77, 83, 139)` looks like.

```
.text, #text, p{  
    color:rgb(77, 83, 139)  
}
```

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(77, 83, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 83, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 34.543, 292.310 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(77, 83, 139) }
```

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

```
.border{ border-color:rgb(77, 83, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 83, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 83, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 83, 139);  
box-shadow:4px 4px 4px 4px rgb(77, 83,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 34.543, 292.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 83, 139) }
```

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

```
.background{ background-color: rgb(77, 83,  
139) }
```

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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