

Converting Colors

CIELCh(37, 66.572, 296.322)

Have a look what the booklet for
CIELCh(37, 66.572, 296.322)
contains.

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Color

CIELCh(37, 66.601, 296.263)

Conversions

Conversions Part 1

Format	Color
Hex	3A4CB9
RGB	58, 76, 185
RGB Percent	23%, 30%, 73%
CMY	0.7734, 0.7025, 0.2752
CMYK	0.69, 0.59, 0.00, 0.28
HSL	231°, 52%, 48%
HSV	231°, 69%, 72%
XYZ	13.0460, 9.5379, 46.9579
YIQ	83.0440, -45.7170, 30.0830

Conversions

Conversions Part 2

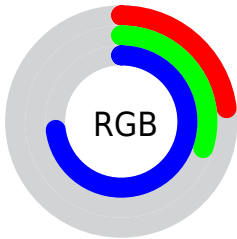
Format	Color
R_{YB}	58, 74, 185
Decimal	3820729
CIE _{Lab}	37.00, 29.47, -59.73
CIE _{LCh}	37, 66.601, 296.263
Yxy	9.5379, 0.1876, 0.1372
Android (android.graphics.Color)	4282010809 (0xFF3A4CB9)
YUV	83.0440, 50.2643, -21.9636
Hunter-Lab	30.8835, 21.3568, -68.5310

Details

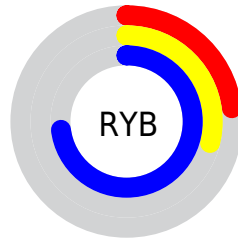
The CIELCh color `37, 66.601, 296.263` is a dark color, and the websafe version is hex `333399`. A complement of this color would be `68, 56.597, 96.042`, and the grayscale version is `35, 0.005, 296.813`.

A 20% lighter version of the original color is `57, 66.427, 296.162`, and `19, 65.257, 299.626` is the 20% darker color. If you saturate the color by 10%, you get `32, 77.340, 298.991`, and if you desaturate by 10%, it is `42, 55.916, 293.666`.

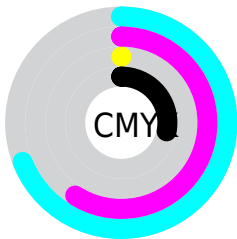
Distribution



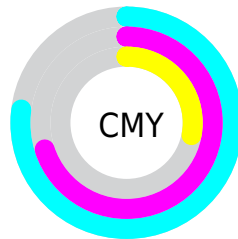
- Red (23%)
- Green (30%)
- Blue (73%)



- Red (23%)
- Yellow (29%)
- Blue (73%)



- Cyan (69%)
- Magenta (59%)
- Yellow (0%)
- Black (28%)





- Cyan (77%)
- Magenta (70%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 66.601, 296.263 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, 66.601, 296.263 by changing the saturation by 10% instead.


 37, 66.601,
296.263


 37, 66.601,
296.263

 100, 66.601,
296.263


 27, 66.601,
296.263

 57, 66.601,
296.263


 17, 66.601,
296.263


 67, 66.601,
296.263

 7, 66.601, 296.263

 77, 66.601,
296.263

 0, 66.601, 296.263

 87, 66.601,
296.263

 97, 66.601,
296.263

■ 37, 66.601,
296.263

■ 37, 66.601,
296.263

■ 32, 77.340,
298.991

■ 42, 55.916,
293.666

■ 28, 87.537,
301.629

■ 48, 45.536,
291.316

■ 25, 96.183,
303.851

■ 53, 35.528,
289.254

■ 24, 97.122,
304.074

■ 59, 25.889,
287.477

■ 65, 16.593,
285.956

■ 70, 7.613, 284.663

■ 76, 1.078, 103.422

■ 81, 9.498, 102.562

■ 87, 17.664,
101.740

Harmonies

Complementary

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



37, 66.601, 296.263



68, 56.597, 96.042

Rectangle

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



37, 66.601, 296.263



37, 66.601, 346.263



37, 66.601, 116.263



37, 66.601, 166.263

Sweetspot

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



37, 66.601, 296.264



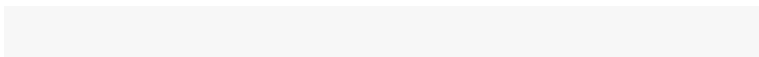
80, 23.078, 286.330



68, 38.806, 180.555



40, 15.683, 286.739



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, 66.601, 296.264



40, 99.850, 300.236



37, 76.825, 308.449



36, 4.917, 284.735



20, 84.688, 303.795



2, 13.786, 285.738

Inverse Universe

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



44, 55.282, 19.738



53, 80.067, 25.586



70, 66.155, 120.560



36, 4.067, 8.504



32, 66.257, 32.726



2, 10.780, 10.824

Previews

White Background



This preview shows how the CIELCh color 37, 66.601, 296.263 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 37, 66.601, 296.263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

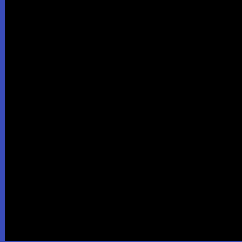
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 66.601, 296.263

Background



This preview shows how black text looks on a background with the CIELCh color 37, 66.601, 296.263.



This preview shows how white text looks on a background with the CIELCh color 37, 66.601, 296.263.

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, 66.601, 296.263

Protanopia

37, 57.573, 286.320

Deuteranopia

37, 41.252, 274.007



Tritanopia
37, 23.702, 207.296

Trichromacy



Original Color
37, 66.601, 296.263

Protanomaly
37, 61.043, 289.497

Deuteranomaly
36, 50.536, 284.090

Tritanomaly
36, 30.594, 262.713

Monochromacy



Original Color
37, 66.601, 296.263

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 24.970, 289.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 66.601, 296.263 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, 76, 185)` looks like.

```
.text, #text, p{  
    color:rgb(58, 76, 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(58, 76, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 76, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 66.601, 296.263 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, 76, 185) }
```

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

```
.border{ border-color:rgb(58, 76, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 76, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 76, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 76, 185);  
box-shadow:4px 4px 4px 4px rgb(58, 76,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 66.601, 296.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 76, 185) }
```

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

```
.background{ background-color: rgb(58, 76,  
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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