

Converting Colors

CIELCh(37, 23.618, 294.967)

Have a look what the booklet for
CIELCh(37, 23.618, 294.967)
contains.

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Color

CIELCh(37, 23.561, 295.591)

Conversions

Conversions Part 1

Format	Color
Hex	555379
RGB	85, 83, 121
RGB Percent	33%, 33%, 47%
CMY	0.6660, 0.6738, 0.5248
CMYK	0.30, 0.31, 0.00, 0.52
HSL	243°, 19%, 40%
HSV	243°, 31%, 48%
XYZ	10.3318, 9.5379, 19.4456
YIQ	87.9300, -11.0060, 12.2420

Conversions

Conversions Part 2

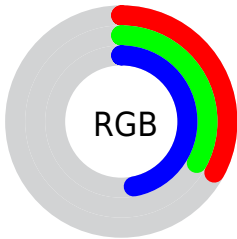
Format	Color
R_{YB}	85, 83, 121
Decimal	5591929
CIE _{Lab}	37.00, 10.18, -21.25
CIE _{LCh}	37, 23.561, 295.591
Yxy	9.5379, 0.2628, 0.2426
Android (android.graphics.Color)	4283782009 (0xFF555379)
YUV	87.9300, 16.3035, -2.5696
Hunter-Lab	30.8835, 5.6696, -15.7130

Details

The CIELCh color $[37, 23.561, 295.591]$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $[50, 21.912, 109.604]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 24.093, 296.242]$, and $[17, 23.663, 295.944]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 31.702, 297.019]$, and if you desaturate by 10%, it is $[41, 15.732, 294.352]$.

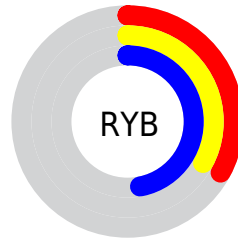
Distribution



Red (33%)

Green (33%)

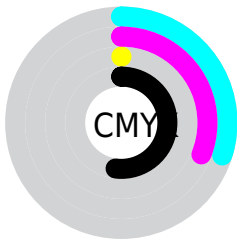
Blue (47%)



Red (33%)

Yellow (33%)

Blue (47%)

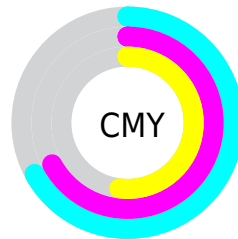


Cyan (30%)

Magenta (31%)

Yellow (0%)

Black (52%)



Cyan (67%)


Magenta (67%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 23.561, 295.591 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, 23.561, 295.591 by changing the saturation by 10% instead.


 37, 23.561,
295.591


 37, 23.561,
295.591

 100, 23.561,
295.591


 27, 23.561,
295.591

 57, 23.561,
295.591


 17, 23.561,
295.591


 67, 23.561,
295.591

 7, 23.561, 295.591

 77, 23.561,
295.591

 0, 23.561, 295.591

 87, 23.561,
295.591

 97, 23.561,
295.591

■ 37, 23.561,
295.591

■ 37, 23.561,
295.591

■ 33, 31.702,
297.019

■ 41, 15.732,
294.352

■ 28, 40.140,
298.639

■ 46, 8.210, 293.287

■ 50, 0.974, 292.400

■ 24, 48.786,
300.419

■ 55, 5.995, 111.579

■ 20, 57.394,
302.271

■ 59, 12.715,
110.908

■ 17, 65.429,
304.021

■ 63, 19.203,
110.329

■ 14, 71.972,
305.410

■ 68, 25.476,
109.828

■ 12, 76.854,
306.544

■ 72, 31.546,
109.394

■ 76, 37.428,
109.017

Harmonies

Complementary

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



37, 23.561, 295.591



50, 21.912, 109.604

Rectangle

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



37, 23.561, 295.591



37, 23.561, 345.591



37, 23.561, 115.591



37, 23.561, 165.591

Sweetspot

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



37, 23.560, 295.591



60, 8.049, 293.080



48, 13.243, 202.907



30, 5.575, 293.195



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



37, 23.560, 295.591



44, 36.028, 296.655



39, 24.710, 312.174



23, 4.084, 293.066



13, 78.572, 306.535



32, 132.565, 306.395

Inverse Universe

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



41, 26.360, 327.564



50, 39.494, 327.962



48, 23.814, 129.428



24, 4.756, 326.348



29, 65.459, 330.371



59, 109.954, 330.493

Previews

White Background



This preview shows how the CIE LCh color 37, 23.561, 295.591 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, 23.561, 295.591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

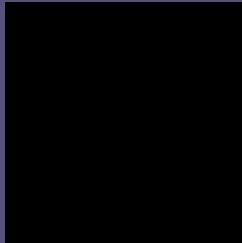
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 23.561, 295.591

Background



This preview shows how black text looks on a background with the CIELCh color 37, 23.561, 295.591.

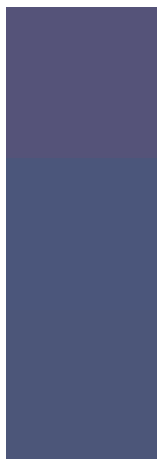


This preview shows how white text looks on a background with the CIELCh color 37, 23.561, 295.591.

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

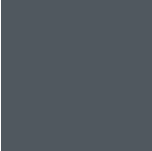
37, 23.561, 295.591

Protanopia

37, 23.023, 284.333

Deuteranopia

37, 21.777, 284.385



Tritanopia
37, 5.327, 253.698

Trichromacy



Original Color
37, 23.561, 295.591

Protanomaly
37, 22.901, 288.513

Deuteranomaly
37, 22.292, 288.251

Tritanomaly
37, 11.819, 284.573

Monochromacy



Original Color
37, 23.561, 295.591

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 8.677, 294.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 23.561, 295.591 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(85, 83, 121)` looks like.

```
.text, #text, p{  
    color:rgb(85, 83, 121)  
}
```

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(85, 83, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 83, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 23.561, 295.591 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(85, 83, 121) }
```

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

```
.border{ border-color:rgb(85, 83, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 83, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 83, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 83, 121);  
box-shadow:4px 4px 4px 4px rgb(85, 83,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 23.561, 295.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 83, 121) }
```

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

```
.background{ background-color: rgb(85, 83,  
121) }
```

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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