

Converting Colors

CIELCh(37, 30.193, 306.599)

Have a look what the booklet for
CIELCh(37, 30.193, 306.599)
contains.

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Color

CIELCh(37, 29.796, 306.333)

Conversions

Conversions Part 1

Format	Color
Hex	604F7E
RGB	96, 79, 126
RGB Percent	38%, 31%, 49%
CMY	0.6244, 0.6910, 0.5068
CMYK	0.24, 0.37, 0.00, 0.51
HSL	262°, 23%, 40%
HSV	262°, 37%, 49%
XYZ	11.3337, 9.5379, 20.9070
YIQ	89.4410, -4.9550, 18.2210

Conversions

Conversions Part 2

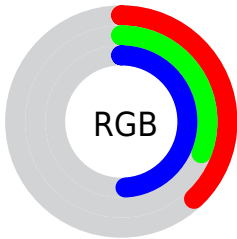
Format	Color
R_{YB}	96, 79, 126
Decimal	6311806
CIE _{Lab}	37.00, 17.65, -24.00
CIE _{LCh}	37, 29.796, 306.333
Yxy	9.5379, 0.2713, 0.2283
Android (android.graphics.Color)	4284501886 (0xFF604F7E)
YUV	89.4410, 18.0236, 5.7522
Hunter-Lab	30.8835, 11.4602, -18.5186

Details

The CIELCh color $[37, 29.796, 306.333]$ is a dark color, and the websafe version is hex `666699`. A complement of this color would be $[50, 27.853, 122.193]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 30.015, 306.153]$, and $[17, 30.195, 306.381]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 38.245, 307.060]$, and if you desaturate by 10%, it is $[41, 21.503, 305.650]$.

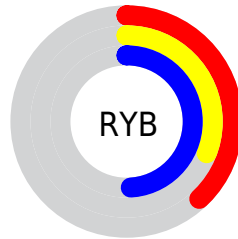
Distribution



 Red (38%)

 Green (31%)

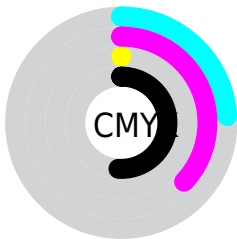
 Blue (49%)



 Red (38%)

 Yellow (31%)

 Blue (49%)

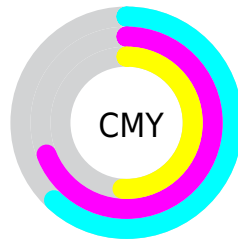


 Cyan (24%)

 Magenta (37%)

 Yellow (0%)

 Black (51%)



 Cyan (62%)


 Magenta (69%)


 Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 29.796, 306.333 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, 29.796, 306.333 by changing the saturation by 10% instead.

 37, 29.796,
306.333


 37, 29.796,
306.333

 100, 29.796,
306.333


 27, 29.796,
306.333

 57, 29.796,
306.333


 17, 29.796,
306.333


 67, 29.796,
306.333

 7, 29.796, 306.333

 77, 29.796,
306.333

 0, 29.796, 306.333

 87, 29.796,
306.333

 97, 29.796,
306.333

■ 37, 29.796,
306.333

■ 37, 29.796,
306.333

■ 33, 38.245,
307.060

■ 41, 21.503,
305.650

■ 29, 46.729,
307.802

■ 45, 13.430,
305.024

■ 25, 55.015,
308.505

■ 50, 5.603, 304.458

■ 22, 62.711,
309.082

■ 54, 1.975, 123.995

■ 58, 9.305, 123.537

■ 19, 69.237,
309.410

■ 62, 16.398,
123.151

■ 16, 74.347,
309.482

■ 66, 23.264,
122.816

■ 16, 75.760,
309.554

■ 70, 29.917,
122.526

■ 75, 36.368,
122.275

Harmonies

Complementary

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



37, 29.796, 306.333



50, 27.853, 122.193

Rectangle

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



37, 29.796, 306.333



37, 29.796, 356.333



37, 29.796, 126.333



37, 29.796, 176.333

Sweetspot

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



37, 29.795, 306.333



61, 10.434, 304.673



44, 14.267, 242.414



31, 6.987, 304.733



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



37, 29.795, 306.333



44, 44.909, 306.964



40, 32.249, 321.917



25, 4.354, 304.554



16, 76.518, 309.540



0, 0.000, 0.000

Inverse Universe

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



40, 26.153, 339.767



48, 38.692, 340.587



49, 31.901, 138.190



25, 3.956, 337.481



27, 53.582, 348.774



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 37, 29.796, 306.333 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, 29.796, 306.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

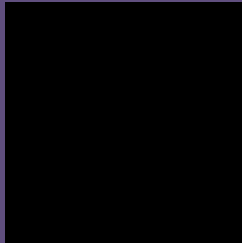
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 29.796, 306.333

Background



This preview shows how black text looks on a background with the CIELCh color 37, 29.796, 306.333.



This preview shows how white text looks on a background with the CIELCh color 37, 29.796, 306.333.

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, 29.796, 306.333

Protanopia

37, 27.980, 284.514

Deuteranopia

37, 23.713, 283.172



Tritanopia
37, 4.091, 314.894

Trichromacy



Original Color
37, 29.796, 306.333

Protanomaly
37, 28.444, 292.559

Deuteranomaly
37, 25.996, 292.719

Tritanomaly
37, 13.554, 307.501

Monochromacy



Original Color
37, 29.796, 306.333

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 10.826, 304.654

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 29.796, 306.333 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(96, 79, 126)` looks like.

```
.text, #text, p{  
    color:rgb(96, 79, 126)  
}
```

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(96, 79, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 79, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 29.796, 306.333 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(96, 79, 126) }
```

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

```
.border{ border-color:rgb(96, 79, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 79, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 79, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 79, 126);  
box-shadow:4px 4px 4px 4px rgb(96, 79,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 29.796, 306.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 79, 126) }
```

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

```
.background{ background-color: rgb(96, 79,  
126) }
```

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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