

Converting Colors

CIELCh(37, 38.407, 309.861)

Have a look what the booklet for
CIELCh(37, 38.407, 309.861)
contains.

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Color

CIELCh(37, 38.214, 309.649)

Conversions

Conversions Part 1

Format	Color
Hex	664B87
RGB	102, 75, 135
RGB Percent	40%, 29%, 53%
CMY	0.6013, 0.7070, 0.4719
CMYK	0.24, 0.45, 0.00, 0.47
HSL	267°, 29%, 41%
HSV	267°, 45%, 53%
XYZ	12.2892, 9.5379, 23.9940
YIQ	89.9130, -3.1680, 24.3840

Conversions

Conversions Part 2

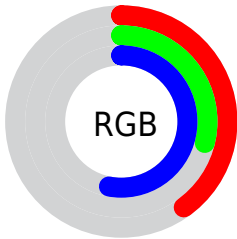
Format	Color
R_{YB}	102, 75, 135
Decimal	6704007
CIE _{Lab}	37.00, 24.38, -29.42
CIE _{LCh}	37, 38.214, 309.649
Yxy	9.5379, 0.2682, 0.2082
Android (android.graphics.Color)	4284894087 (0xFF664B87)
YUV	89.9130, 22.2279, 10.6003
Hunter-Lab	30.8835, 16.9828, -24.4450

Details

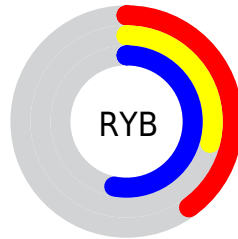
The CIELCh color $37, 38.214, 309.649$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $53, 35.617, 125.229$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 38.614, 309.493$, and $17, 38.268, 309.696$ is the 20% darker color. If you saturate the color by 10%, you get $33, 47.089, 310.230$, and if you desaturate by 10%, it is $41, 29.327, 309.062$.

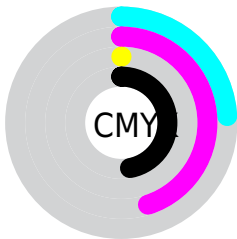
Distribution



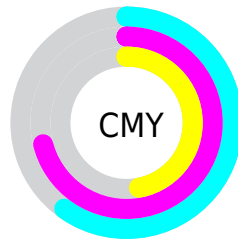
- Red (40%)
- Green (29%)
- Blue (53%)



- Red (40%)
- Yellow (29%)
- Blue (53%)



- Cyan (24%)
- Magenta (45%)
- Yellow (0%)
- Black (47%)



- Cyan (60%)
- Magenta (71%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 38.214, 309.649 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, 38.214, 309.649 by changing the saturation by 10% instead.

 37, 38.214,
309.649

 37, 38.214,
309.649


 100, 38.214,
309.649

 27, 38.214,
309.649

 57, 38.214,
309.649

 17, 38.214,
309.649

 67, 38.214,
309.649

 7, 38.214, 309.649

 77, 38.214,
309.649

 0, 38.214, 309.649

 87, 38.214,
309.649

 97, 38.214,
309.649

■ 37, 38.214,
309.649

■ 37, 38.214,
309.649

■ 33, 47.089,
310.230

■ 41, 29.327,
309.062

■ 29, 55.719,
310.758

■ 46, 20.570,
308.498

■ 26, 63.720,
311.159

■ 50, 12.013,
307.971

■ 22, 70.554,
311.332

■ 54, 3.693, 307.479

■ 20, 75.657,
311.174

■ 59, 4.377, 127.086

■ 19, 78.257,
311.108

■ 63, 12.197,
126.693

■ 67, 19.773,
126.353

■ 72, 27.116,
126.057

■ 76, 34.235,
125.798

Harmonies

Complementary

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



37, 38.214, 309.649



53, 35.617, 125.229

Rectangle

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



37, 38.214, 309.649



37, 38.214, 359.649



37, 38.214, 129.649



37, 38.214, 179.649

Sweetspot

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



37, 38.213, 309.649



65, 13.348, 307.909



44, 18.779, 255.091



33, 9.440, 308.008



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



37, 38.213, 309.649



44, 56.931, 310.212



40, 41.153, 324.737



26, 4.568, 307.702



18, 76.276, 311.146



0, 1.081, 307.296

Inverse Universe

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



40, 31.037, 345.123



48, 45.326, 346.345



51, 41.032, 139.648



26, 3.843, 341.697



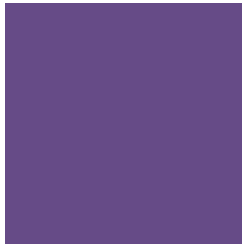
27, 52.259, 356.148



0, 0.911, 341.042

Previews

White Background



This preview shows how the CIELCh color 37, 38.214, 309.649 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, 38.214, 309.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

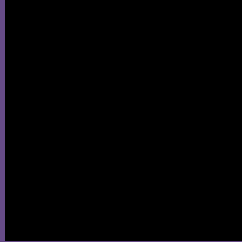
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 38.214, 309.649

Background



This preview shows how black text looks on a background with the CIELCh color 37, 38.214, 309.649.



This preview shows how white text looks on a background with the CIELCh color 37, 38.214, 309.649.

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

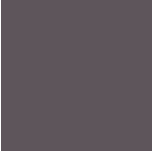
37, 38.214, 309.649

Protanopia

37, 36.612, 285.764

Deuteranopia

37, 28.215, 280.933



Tritanopia
37, 5.337, 336.253

Trichromacy



Original Color
37, 38.214, 309.649

Protanomaly
37, 37.070, 293.919

Deuteranomaly
37, 30.886, 292.502

Tritanomaly
37, 17.373, 313.980

Monochromacy



Original Color
37, 38.214, 309.649

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 14.225, 308.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 38.214, 309.649 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(102, 75, 135)` looks like.

```
.text, #text, p{  
    color:rgb(102, 75, 135)  
}
```

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(102, 75, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 75, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 38.214, 309.649 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(102, 75, 135) }
```

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

```
.border{ border-color:rgb(102, 75, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 75, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 75, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 75, 135);  
box-shadow:4px 4px 4px 4px rgb(102, 75,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 38.214, 309.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 75, 135) }
```

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

```
.background{ background-color: rgb(102, 75,  
135) }
```

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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