

Converting Colors

CIELCh(37, 51.303, 302.060)

Have a look what the booklet for
CIELCh(37, 51.303, 302.060)
contains.

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Color

CIELCh(37, 51.221, 302.073)

Conversions

Conversions Part 1

Format	Color
Hex	594B9E
RGB	89, 75, 158
RGB Percent	35%, 29%, 62%
CMY	0.6526, 0.7074, 0.3821
CMYK	0.44, 0.53, 0.00, 0.38
HSL	250°, 36%, 46%
HSV	250°, 53%, 62%
XYZ	12.7042, 9.5379, 33.3251
YIQ	88.6480, -18.2990, 28.7810

Conversions

Conversions Part 2

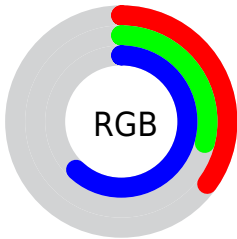
Format	Color
R_{YB}	89, 75, 158
Decimal	5852062
CIE _{Lab}	37.00, 27.20, -43.40
CIE _{LCh}	37, 51.221, 302.073
Yxy	9.5379, 0.2286, 0.1716
Android (android.graphics.Color)	4284042142 (0xFF594B9E)
YUV	88.6480, 34.1905, 0.3087
Hunter-Lab	30.8835, 19.3815, -42.3588

Details

The CIELCh color $37, 51.221, 302.073$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $62, 44.809, 113.154$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 51.183, 302.176$, and $17, 51.625, 302.136$ is the 20% darker color. If you saturate the color by 10%, you get $32, 61.757, 303.432$, and if you desaturate by 10%, it is $42, 40.791, 300.794$.

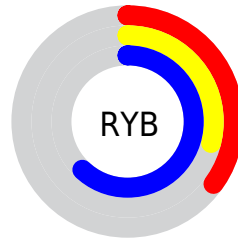
Distribution



Red (35%)

Green (29%)

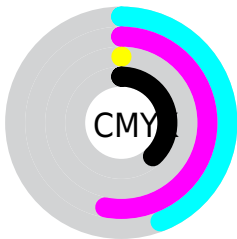
Blue (62%)



Red (35%)

Yellow (29%)

Blue (62%)

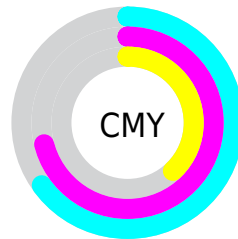


Cyan (44%)

Magenta (53%)

Yellow (0%)

Black (38%)



Cyan (65%)


Magenta (71%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 51.221, 302.073 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, 51.221, 302.073 by changing the saturation by 10% instead.


 37, 51.221,
302.073


 37, 51.221,
302.073

 100, 51.221,
302.073


 27, 51.221,
302.073

 57, 51.221,
302.073


 17, 51.221,
302.073


 67, 51.221,
302.073

 7, 51.221, 302.073

 77, 51.221,
302.073

 0, 51.221, 302.073

 87, 51.221,
302.073

 97, 51.221,
302.073

■ 37, 51.221,
302.073

■ 37, 51.221,
302.073

■ 32, 61.757,
303.432

■ 42, 40.791,
300.794

■ 27, 72.004,
304.774

■ 48, 30.647,
299.636

■ 23, 81.208,
305.931

■ 53, 20.854,
298.614

■ 20, 88.244,
306.678

■ 58, 11.424,
297.722

■ 19, 92.219,
307.084

■ 64, 2.347, 296.951

■ 69, 6.393, 116.285

■ 74, 14.820,
115.712

■ 79, 22.951,
115.219

■ 84, 30.808,
114.794

Harmonies

Complementary

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



37, 51.221, 302.073



62, 44.809, 113.154

Rectangle

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



37, 51.221, 302.073



37, 51.221, 352.073



37, 51.221, 122.073



37, 51.221, 172.073

Sweetspot

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



37, 51.220, 302.074



72, 17.969, 298.034



56, 22.678, 218.203



36, 12.147, 298.202



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



37, 51.220, 302.074



41, 76.767, 303.645



41, 52.588, 316.829



31, 5.092, 297.448



16, 85.744, 307.137



0, 6.554, 296.428

Inverse Universe

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



45, 49.274, 332.728



53, 70.181, 333.496



60, 50.366, 132.138



31, 5.434, 329.962



32, 65.990, 336.088



1, 6.919, 330.450

Previews

White Background



This preview shows how the CIELCh color 37, 51.221, 302.073 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, 51.221, 302.073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

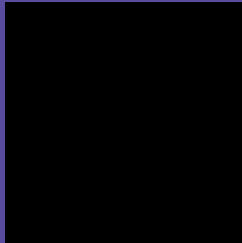
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 51.221, 302.073

Background



This preview shows how black text looks on a background with the CIELCh color 37, 51.221, 302.073.

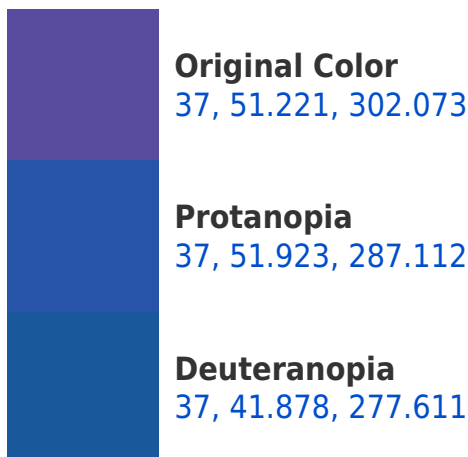


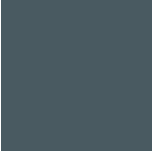
This preview shows how white text looks on a background with the CIELCh color 37, 51.221, 302.073.

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





Tritanopia
37, 7.801, 232.538

Trichromacy



Original Color
37, 51.221, 302.073

Protanomaly
37, 51.135, 291.156

Deuteranomaly
36, 44.793, 285.887

Tritanomaly
37, 21.702, 288.929

Monochromacy



Original Color
37, 51.221, 302.073

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 18.733, 298.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 51.221, 302.073 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(89, 75, 158)` looks like.

```
.text, #text, p{  
    color:rgb(89, 75, 158)  
}
```

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(89, 75, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 75, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 51.221, 302.073 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(89, 75, 158) }
```

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

```
.border{ border-color:rgb(89, 75, 158) }
```

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

Here you see how a box with a 4 pixel rgb(89, 75, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 75, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 75, 158);  
box-shadow:4px 4px 4px 4px rgb(89, 75,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 51.221, 302.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 75, 158) }
```

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

```
.background{ background-color: rgb(89, 75,  
158) }
```

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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