

Converting Colors

CIELCh(37, 55.817, 311.087)

Have a look what the booklet for
CIELCh(37, 55.817, 311.087)
contains.

CIELCh(37, 56.267, 310.940)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 56.267, 310.940)

Conversions

Conversions Part 1

Format	Color
Hex	6C429C
RGB	108, 66, 156
RGB Percent	42%, 26%, 61%
CMY	0.5754, 0.7402, 0.3872
CMYK	0.31, 0.58, 0.00, 0.39
HSL	268°, 40%, 44%
HSV	268°, 58%, 61%
XYZ	14.2014, 9.5379, 32.6624
YIQ	88.8180, -3.8580, 36.8940

Conversions

Conversions Part 2

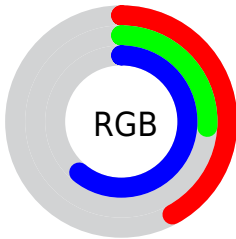
Format	Color
R_{YB}	108, 66, 156
Decimal	7094940
CIE _{Lab}	37.00, 36.87, -42.50
CIE _{LCh}	37, 56.267, 310.940
Yxy	9.5379, 0.2518, 0.1691
Android (android.graphics.Color)	4285285020 (0xFF6C429C)
YUV	88.8180, 33.1207, 16.8226
Hunter-Lab	30.8835, 28.0346, -41.0866

Details

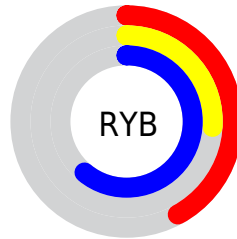
The CIELCh color $37, 56.267, 310.940$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $60, 51.304, 125.338$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 55.994, 310.848$, and $17, 56.032, 310.923$ is the 20% darker color. If you saturate the color by 10%, you get $33, 65.736, 311.402$, and if you desaturate by 10%, it is $41, 46.340, 310.394$.

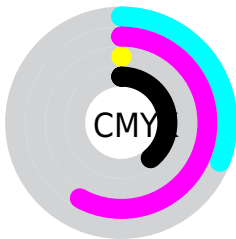
Distribution



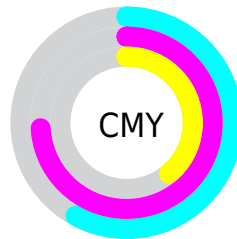
- Red (42%)
- Green (26%)
- Blue (61%)



- Red (42%)
- Yellow (26%)
- Blue (61%)



- Cyan (31%)
- Magenta (58%)
- Yellow (0%)
- Black (39%)





- Cyan (58%)
- Magenta (74%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 56.267, 310.940 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, 56.267, 310.940 by changing the saturation by 10% instead.


 37, 56.267,
310.940


 37, 56.267,
310.940

 100, 56.267,
310.940


 27, 56.267,
310.940

 57, 56.267,
310.940


 17, 56.267,
310.940


 67, 56.267,
310.940

 7, 56.267, 310.940

 77, 56.267,
310.940

 0, 56.267, 310.940

 87, 56.267,
310.940

 97, 56.267,
310.940

37, 56.267,
310.940

37, 56.267,
310.940

33, 65.736,
311.402

41, 46.340,
310.394

29, 74.237,
311.692

46, 36.296,
309.821

26, 81.098,
311.700

51, 26.336,
309.258

24, 85.930,
311.375

56, 16.572,
308.725

23, 87.044,
311.313

61, 7.061, 308.229

66, 2.171, 127.841

71, 11.120,
127.413

75, 19.788,
127.060

■ 80, 28.186,
126.751

Harmonies

Complementary

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



37, 56.267, 310.940



60, 51.304, 125.338

Rectangle

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



37, 56.267, 310.940



37, 56.267, 0.940



37, 56.267, 130.940



37, 56.267, 180.940

Sweetspot

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



37, 56.266, 310.940



72, 19.868, 308.711



47, 27.863, 262.951



36, 13.293, 308.805



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, 56.266, 310.940



42, 83.097, 311.503



43, 58.854, 326.281



31, 5.308, 308.309



21, 81.422, 311.401



1, 6.826, 307.041

Inverse Universe

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



42, 43.911, 347.962



50, 62.524, 350.185



58, 59.151, 139.034



31, 4.398, 342.591



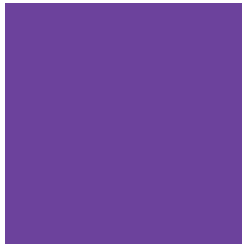
30, 55.565, 358.007



1, 5.588, 343.341

Previews

White Background



This preview shows how the CIELCh color 37, 56.267, 310.940 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, 56.267, 310.940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

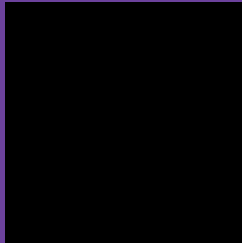
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 56.267, 310.940

Background



This preview shows how black text looks on a background with the CIELCh color 37, 56.267, 310.940.



This preview shows how white text looks on a background with the CIELCh color 37, 56.267, 310.940.

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, 56.267, 310.940

Protanopia
37, 56.192, 287.229

Deuteranopia
37, 40.436, 278.560



Tritanopia
37, 6.702, 340.289

Trichromacy



Original Color
37, 56.267, 310.940

Protanomaly
36, 55.494, 292.849

Deuteranomaly
36, 45.774, 291.107

Tritanomaly
37, 24.482, 313.659

Monochromacy



Original Color
37, 56.267, 310.940

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 20.713, 309.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 56.267, 310.940 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(108, 66, 156)` looks like.

```
.text, #text, p{  
    color:rgb(108, 66, 156)  
}
```

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(108, 66, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 66, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 56.267, 310.940 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(108, 66, 156) }
```

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

```
.border{ border-color:rgb(108, 66, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 66, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 66, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 66, 156);  
box-shadow:4px 4px 4px 4px rgb(108, 66,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 56.267, 310.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 66, 156) }
```

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

```
.background{ background-color: rgb(108, 66,  
156) }
```

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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