

Converting Colors

CIELCh(37, 10.887, 342.569)

Have a look what the booklet for
CIELCh(37, 10.887, 342.569)
contains.

CIELCh(37, 10.867, 342.554)	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, 10.867, 342.554)

Conversions

Conversions Part 1

Format	Color
Hex	65525D
RGB	101, 82, 93
RGB Percent	40%, 32%, 36%
CMY	0.6020, 0.6803, 0.6372
CMYK	0.00, 0.20, 0.09, 0.60
HSL	327°, 11%, 36%
HSV	327°, 20%, 40%
XYZ	10.3566, 9.5379, 11.5361
YIQ	88.9350, 7.7930, 7.4490

Conversions

Conversions Part 2

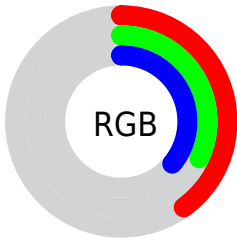
Format	Color
R_{YB}	101, 82, 93
Decimal	6640221
CIE Lab	37.00, 10.37, -3.26
CIE LCh	37, 10.867, 342.554
Yxy	9.5379, 0.3295, 0.3035
Android (android.graphics.Color)	4284830301 (0xFF65525D)
YUV	88.9350, 2.0040, 10.5810
Hunter-Lab	30.8835, 5.8125, -0.5284




Details

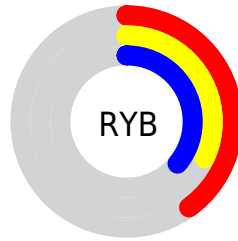
The CIELCh color $[37, 10.867, 342.554]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[41, 10.671, 159.517]$, and the grayscale version is $[38, 0.005, 296.813]$.




A 20% lighter version of the original color is $[57, 10.731, 341.033]$, and $[17, 10.587, 341.369]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 16.470, 343.453]$, and if you desaturate by 10%, it is $[40, 5.299, 341.725]$.

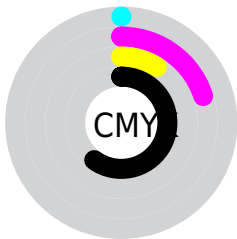
Distribution







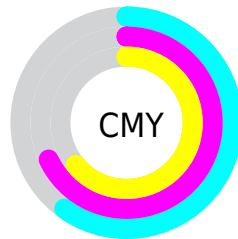
-  Red (40%)
-  Green (32%)
-  Blue (36%)






-  Red (40%)
-  Yellow (32%)
-  Blue (36%)



-  Cyan (0%)
-  Magenta (20%)
-  Yellow (9%)
-  Black (60%)





-  Cyan (60%)
-  Magenta (68%)
-  Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 10.867, 342.554 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, 10.867, 342.554 by changing the saturation by 10% instead.


 37, 10.867,
342.554


 37, 10.867,
342.554

 100, 10.867,
342.554


 27, 10.867,
342.554

 57, 10.867,
342.554


 17, 10.867,
342.554


 67, 10.867,
342.554

 7, 10.867, 342.554

 77, 10.867,
342.554

 0, 10.867, 342.554

 87, 10.867,
342.554

 97, 10.867,
342.554

37, 10.867,
342.554

37, 10.867,
342.554

34, 16.470,
343.453

40, 5.299, 341.725

31, 22.010,
344.447

43, 0.166, 162.457

46, 5.491, 160.387

29, 27.338,
345.571

49, 10.658,
159.731

26, 32.257,
346.869

53, 15.661,
159.133

24, 36.524,
348.403

56, 20.501,
158.577

23, 39.889,
350.261


59, 25.183,
158.059


21, 42.152,
352.550

62, 29.717,
157.574

20, 43.917,

355.037

 65, 34.112,
157.118

 20, 43.978,
355.113

Harmonies

Complementary

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



37, 10.867, 342.554



41, 10.671, 159.517

Rectangle

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



37, 10.867, 342.554



37, 10.867, 32.554



37, 10.867, 162.554



37, 10.867, 212.554

Sweetspot

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



37, 10.866, 342.556



53, 4.075, 341.432



36, 12.950, 307.636



27, 2.682, 341.467



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



37, 10.866, 342.556



46, 16.554, 342.995



37, 8.862, 15.423



20, 3.082, 341.663



24, 47.864, 355.652



53, 82.299, 358.032

Inverse Universe

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



37, 10.866, 342.556



46, 16.554, 342.995



41, 7.978, 192.620



20, 3.082, 341.663



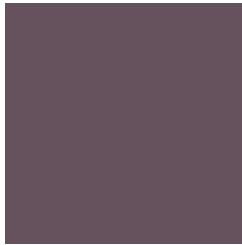
24, 47.864, 355.652



53, 82.299, 358.032

Previews

White Background



This preview shows how the CIELCh color 37, 10.867, 342.554 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, 10.867, 342.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

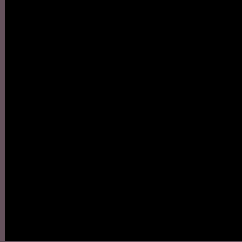
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 10.867, 342.554

Background



This preview shows how black text looks on a background with the CIELCh color 37, 10.867, 342.554.



This preview shows how white text looks on a background with the CIELCh color 37, 10.867, 342.554.

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, 10.538, 341.016

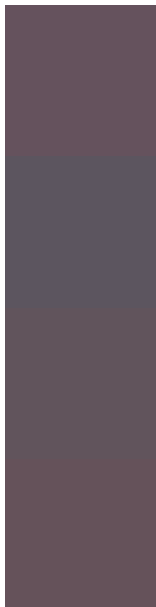
Protanopia
37, 5.569, 286.889

Deuteranopia
37, 5.778, 331.847



Tritanopia
37, 9.249, 353.086

Trichromacy



Original Color
37, 10.538, 341.016

Protanomaly
37, 6.866, 316.127

Deuteranomaly
37, 7.416, 338.832

Tritanomaly
37, 9.526, 349.762

Monochromacy



Original Color
37, 10.538, 341.016

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 4.218, 344.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 10.867, 342.554 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(101, 82, 93)` looks like.

```
.text, #text, p{  
    color:rgb(101, 82, 93)  
}
```

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(101, 82, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 82, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 10.867, 342.554 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(101, 82, 93) }
```

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

```
.border{ border-color:rgb(101, 82, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 82, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 82, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 82, 93);  
box-shadow:4px 4px 4px 4px rgb(101, 82,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 10.867, 342.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 82, 93) }
```

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

```
.background{ background-color: rgb(101, 82,  
93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor