

Converting Colors

CIELCh(37, 10.312, 343.716)

Have a look what the booklet for
CIELCh(37, 10.312, 343.716)
contains.

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Color

CIELCh(37, 10.174, 343.729)

Conversions

Conversions Part 1

Format	Color
Hex	65525C
RGB	101, 82, 92
RGB Percent	40%, 32%, 36%
CMY	0.6046, 0.6790, 0.6398
CMYK	0.00, 0.19, 0.09, 0.60
HSL	328°, 10%, 36%
HSV	328°, 19%, 40%
XYZ	10.2786, 9.5379, 11.3877
YIQ	88.8210, 8.1140, 7.1380

Conversions

Conversions Part 2

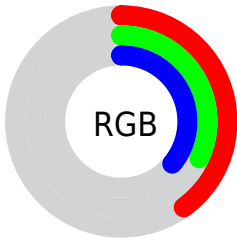
Format	Color
R_{YB}	101, 82, 92
Decimal	6640220
CIE Lab	37.00, 9.77, -2.85
CIE LCh	37, 10.174, 343.729
Yxy	9.5379, 0.3294, 0.3057
Android (android.graphics.Color)	4284830300 (0xFF65525C)
YUV	88.8210, 1.5672, 10.6810
Hunter-Lab	30.8835, 5.3620, -0.2436




Details

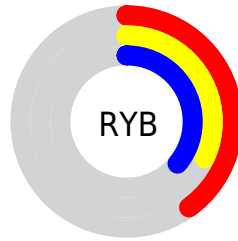
The CIELCh color $[37, 10.174, 343.729]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[41, 9.976, 160.779]$, and the grayscale version is $[38, 0.005, 296.813]$.




A 20% lighter version of the original color is $[57, 10.391, 343.482]$, and $[17, 10.193, 344.445]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 15.670, 344.650]$, and if you desaturate by 10%, it is $[40, 4.726, 342.880]$.

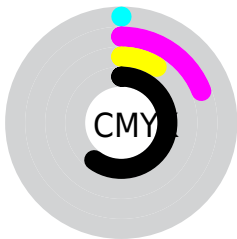
Distribution







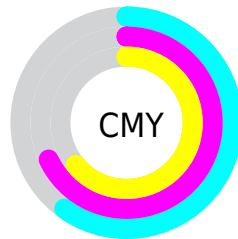
-  Red (40%)
-  Green (32%)
-  Blue (36%)






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



-  Cyan (0%)
-  Magenta (19%)
-  Yellow (9%)
-  Black (60%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 10.174, 343.729 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, 10.174, 343.729 by changing the saturation by 10% instead.


 37, 10.174,
343.729


 37, 10.174,
343.729

 100, 10.174,
343.729


 27, 10.174,
343.729

 57, 10.174,
343.729


 17, 10.174,
343.729


 67, 10.174,
343.729

 7, 10.174, 343.729

 77, 10.174,
343.729

 0, 10.174, 343.729

 87, 10.174,
343.729

 97, 10.174,
343.729

37, 10.174,
343.729

37, 10.174,
343.729

34, 15.670,
344.650

40, 4.726, 342.880

31, 21.125,
345.672

43, 0.611, 162.573

46, 5.804, 161.527

29, 26.396,
346.834

49, 10.836,
160.867

26, 31.294,
348.181

52, 15.704,
160.264

24, 35.586,
349.783

56, 20.411,
159.705

23, 39.023,
351.728

59, 24.962,
159.184

21, 41.405,
354.134

62, 29.367,
158.697

20, 43.211,

356.804

■ 65, 33.636,
158.241

■ 20, 43.442,
357.102

Harmonies

Complementary

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



37, 10.174, 343.729



41, 9.976, 160.779

Rectangle

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



37, 10.174, 343.729



37, 10.174, 33.729



37, 10.174, 163.729



37, 10.174, 213.729

Sweetspot

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



37, 10.173, 343.731



52, 3.945, 342.651



36, 12.380, 308.741



27, 2.638, 342.687



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, 10.173, 343.731



46, 15.366, 344.162



37, 8.407, 17.977



20, 3.032, 342.889



24, 47.505, 357.716



52, 81.798, 0.277

Inverse Universe

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



37, 10.173, 343.731



46, 15.366, 344.162



41, 7.550, 195.579



20, 3.032, 342.889



24, 47.505, 357.716



52, 81.798, 0.277

Previews

White Background



This preview shows how the CIELCh color 37, 10.174, 343.729 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, 10.174, 343.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

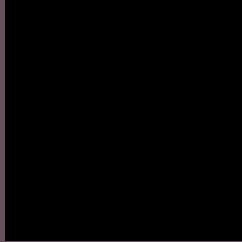
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 10.174, 343.729

Background



This preview shows how black text looks on a background with the CIELCh color 37, 10.174, 343.729.



This preview shows how white text looks on a background with the CIELCh color 37, 10.174, 343.729.

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, 10.174, 343.729

Protanopia

37, 4.944, 290.979

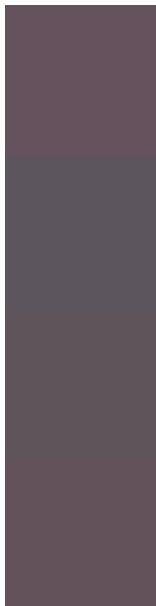
Deuteranopia

37, 5.337, 336.253



Tritanopia
37, 8.866, 351.684

Trichromacy



Original Color
37, 10.174, 343.729

Protanomaly
37, 6.315, 318.509

Deuteranomaly
37, 6.702, 340.289

Tritanomaly
37, 9.159, 348.270

Monochromacy



Original Color
37, 10.174, 343.729

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 3.881, 340.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 10.174, 343.729 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(101, 82, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 82, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 10.174, 343.729 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, 92) }
```

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

```
.border{ border-color:rgb(101, 82, 92) }
```

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, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 82, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 82, 92);  
box-shadow:4px 4px 4px 4px rgb(101, 82,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 10.174, 343.729 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, 92) }
```

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

```
.background{ background-color: rgb(101, 82,  
92) }
```

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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