

Converting Colors

CIELCh(37, 30.865, 355.247)

Have a look what the booklet for
CIELCh(37, 30.865, 355.247)
contains.

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Color

CIELCh(37, 31.202, 355.154)

Conversions

Conversions Part 1

Format	Color
Hex	83425C
RGB	131, 66, 92
RGB Percent	51%, 26%, 36%
CMY	0.4854, 0.7404, 0.6385
CMYK	0.00, 0.50, 0.30, 0.49
HSL	336°, 33%, 39%
HSV	336°, 50%, 51%
XYZ	13.2934, 9.5379, 11.3100
YIQ	88.3990, 30.3940, 21.8660

Conversions

Conversions Part 2

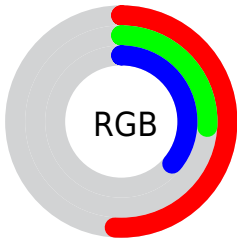
Format	Color
R_{YB}	131, 66, 92
Decimal	8602204
CIE _{Lab}	37.00, 31.09, -2.64
CIE _{LCh}	37, 31.202, 355.154
Yxy	9.5379, 0.3894, 0.2794
Android (android.graphics.Color)	4286792284 (0xFF83425C)
YUV	88.3990, 1.7753, 37.3611
Hunter-Lab	30.8835, 22.7866, -0.0945

Details

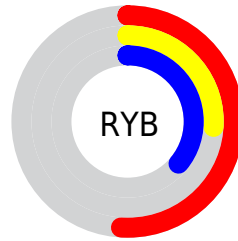
The CIELCh color $[37, 31.202, 355.154]$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $[50, 28.468, 164.291]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 31.178, 355.402]$, and $[17, 31.013, 355.636]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 37.029, 357.002]$, and if you desaturate by 10%, it is $[40, 24.962, 353.627]$.

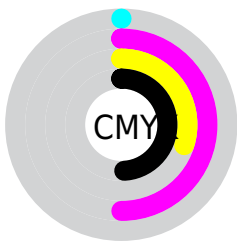
Distribution



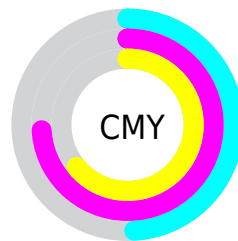
- Red (51%)
- Green (26%)
- Blue (36%)



- Red (51%)
- Yellow (26%)
- Blue (36%)



- Cyan (0%)
- Magenta (50%)
- Yellow (30%)
- Black (49%)





- Cyan (49%)
- Magenta (74%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 31.202, 355.154 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, 31.202, 355.154 by changing the saturation by 10% instead.


 37, 31.202,
355.154


 37, 31.202,
355.154

 100, 31.202,
355.154


 27, 31.202,
355.154

 57, 31.202,
355.154


 17, 31.202,
355.154


 67, 31.202,
355.154

 7, 31.202, 355.154

 77, 31.202,
355.154

 0, 31.202, 355.154

 87, 31.202,
355.154

 97, 31.202,
355.154

37, 31.202,
355.154

37, 31.202,
355.154

34, 37.029,
357.002

40, 24.962,
353.627

32, 42.162,
359.280

44, 18.554,
352.333

30, 46.314, 2.136

47, 12.146,
351.210

28, 49.301, 5.731

51, 5.850, 350.205

27, 51.556, 9.874

55, 0.267, 170.605

27, 51.667, 10.055

59, 6.172, 168.661

63, 11.853,
167.925

67, 17.312,
167.267

■ 71, 22.558,
166.665

Harmonies

Complementary

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



37, 31.202, 355.154



50, 28.468, 164.291

Rectangle

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



37, 31.202, 355.154



37, 31.202, 45.154



37, 31.202, 175.154



37, 31.202, 225.154

Sweetspot

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



37, 31.200, 355.156



63, 11.498, 350.777



35, 42.369, 314.607



32, 7.926, 350.961



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



37, 31.200, 355.156



44, 45.449, 357.167



38, 28.306, 31.548



26, 3.483, 350.164



27, 51.332, 10.006



0, 0.823, 349.422

Inverse Universe

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



37, 31.200, 355.156



44, 45.449, 357.167



49, 19.633, 208.815



26, 3.483, 350.164



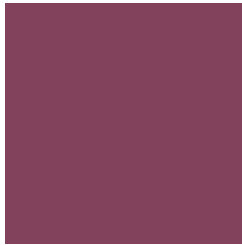
27, 51.332, 10.006



0, 0.823, 349.422

Previews

White Background



This preview shows how the CIELCh color 37, 31.202, 355.154 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, 31.202, 355.154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

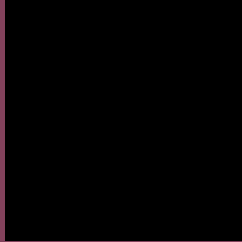
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 31.202, 355.154

Background



This preview shows how black text looks on a background with the CIELCh color 37, 31.202, 355.154.



This preview shows how white text looks on a background with the CIELCh color 37, 31.202, 355.154.

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, 31.202, 355.154

Protanopia

37, 11.149, 285.958

Deuteranopia

37, 4.949, 350.253



Tritanopia
37, 27.507, 17.891

Trichromacy



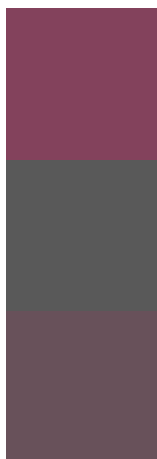
Original Color
37, 31.202, 355.154

Protanomaly
37, 15.858, 326.812

Deuteranomaly
37, 14.835, 352.046

Tritanomaly
37, 27.880, 9.432

Monochromacy



Original Color
37, 31.202, 355.154

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 11.327, 351.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 31.202, 355.154 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(131, 66, 92)` looks like.

```
.text, #text, p{  
    color:rgb(131, 66, 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(131, 66, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 66, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 31.202, 355.154 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(131, 66, 92) }
```

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

```
.border{ border-color:rgb(131, 66, 92) }
```

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

Here you see how a box with a 4 pixel rgb(131, 66, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 66, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 66, 92);  
box-shadow:4px 4px 4px 4px rgb(131, 66,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 31.202, 355.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 66, 92) }
```

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

```
.background{ background-color: rgb(131, 66,  
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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