

Converting Colors

CIELCh(10, 30.834, 337.545)

Have a look what the booklet for
CIELCh(10, 30.834, 337.545)
contains.

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Color

CIELCh(10, 30.617, 337.007)

Conversions

Conversions Part 1

Format	Color
Hex	37062C
RGB	55, 6, 44
RGB Percent	22%, 2%, 17%
CMY	0.7842, 0.9764, 0.8273
CMYK	0.00, 0.89, 0.20, 0.78
HSL	313°, 80%, 12%
HSV	313°, 89%, 22%
XYZ	2.0978, 1.1260, 2.4924
YIQ	24.9830, 17.0060, 22.2060

Conversions

Conversions Part 2

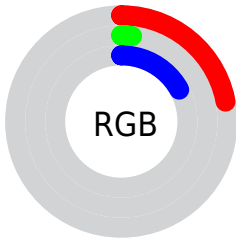
Format	Color
RYB	55, 6, 44
Decimal	3606060
CIELab	10.00, 28.18, -11.96
CIELCh	10, 30.617, 337.007
Yxy	1.1260, 0.3670, 0.1970
Android (android.graphics.Color)	4281796140 (0xFF37062C)
YUV	24.9830, 9.3754, 26.3249
Hunter-Lab	10.6114, 16.7187, -6.4981




Details

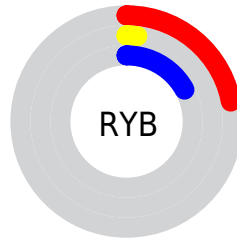
The CIELCh color **10, 30.617, 337.007** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **19, 31.787, 143.191**, and the grayscale version is **9, 0.002, 296.813**.




A 20% lighter version of the original color is **30, 30.758, 336.679**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 33.257, 337.648**, and if you desaturate by 10%, it is **11, 28.254, 336.273**.

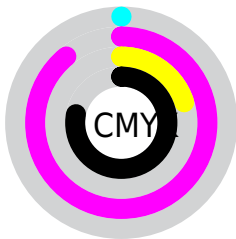
Distribution







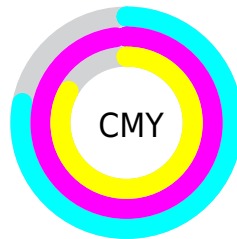
-  Red (22%)
-  Green (2%)
-  Blue (17%)






-  Red (22%)
-  Yellow (2%)
-  Blue (17%)



-  Cyan (0%)
-  Magenta (89%)
-  Yellow (20%)
-  Black (78%)





-  Cyan (78%)
-  Magenta (98%)
-  Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 30.617, 337.007 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 10, 30.617, 337.007 by changing the saturation by 10% instead.


 10, 30.617,
337.007


 10, 30.617,
337.007


 100, 30.617,
337.007


 0, 30.617, 337.007

 30, 30.617,
337.007

 40, 30.617,
337.007


 50, 30.617,
337.007


 60, 30.617,
337.007


 70, 30.617,
337.007

 80, 30.617,


337.007

 90, 30.617,
337.007


 10, 30.617,
337.007


 10, 30.617,
337.007


 9, 33.257, 337.648


 11, 28.254,
336.273

 9, 33.528, 337.705

 12, 25.545,
335.553

 13, 22.370,
334.875

 15, 18.858,
334.228

 16, 15.128,
333.607

■ 18, 11.276,
333.007

■ 20, 7.377, 332.425

■ 21, 3.485, 331.850

■ 23, 0.363, 151.705

Harmonies

Complementary

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



10, 30.617, 337.007



19, 31.787, 143.191

Rectangle

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



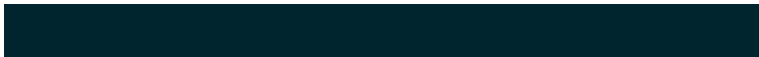
10, 30.617, 337.007



10, 30.617, 27.007



10, 30.617, 157.007



10, 30.617, 207.007

Sweetspot

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



10, 30.616, 337.007



24, 13.035, 332.964



5, 34.843, 304.079



10, 8.608, 332.994



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



10, 30.616, 337.007



13, 39.471, 338.274



9, 25.392, 10.434



9, 2.168, 331.811



19, 46.583, 338.745



50, 86.576, 339.851

Inverse Universe

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



10, 30.616, 337.007



13, 39.471, 338.274



20, 20.287, 167.920



9, 2.168, 331.811



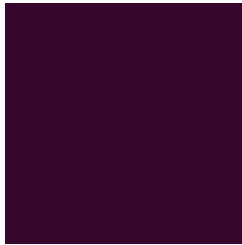
19, 46.583, 338.745



50, 86.576, 339.851

Previews

White Background



This preview shows how the CIELCh color 10, 30.617, 337.007 looks on a white background.

Color Contrast Check

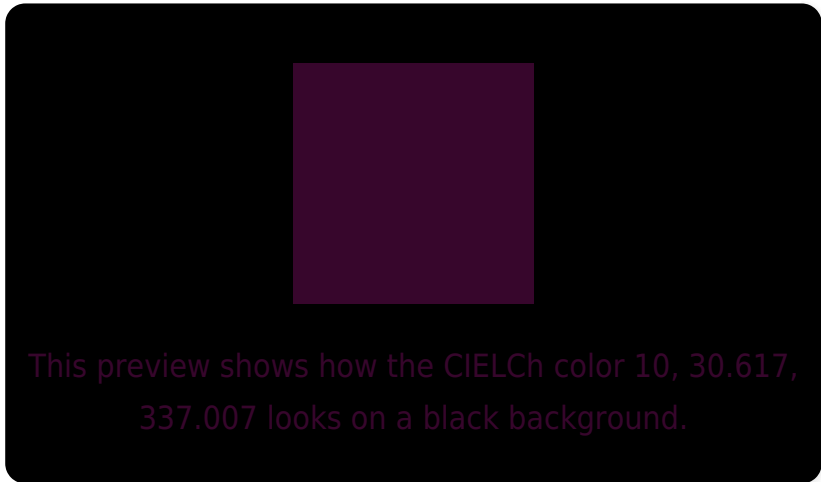
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

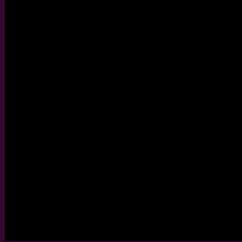
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 30.617, 337.007

Background



This preview shows how black text looks on a background with the CIELCh color 10, 30.617, 337.007.



This preview shows how white text looks on a background with the CIELCh color 10, 30.617, 337.007.

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

10, 30.617, 337.007

Protanopia

11, 24.311, 283.693

Deuteranopia

11, 8.085, 283.318



Tritanopia
11, 19.344, 23.762

Trichromacy



Original Color
10, 30.617, 337.007

Protanomaly
9, 25.236, 300.141

Deuteranomaly
10, 16.980, 319.375

Tritanomaly
10, 21.521, 1.912

Monochromacy



Original Color
10, 30.617, 337.007

Achromatopsia
9, 0.002, 296.813

Achromatomaly
8, 13.487, 333.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 30.617, 337.007 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(55, 6, 44)` looks like.

```
.text, #text, p{  
    color:rgb(55, 6, 44)  
}
```

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(55, 6, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 6, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 30.617, 337.007 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(55, 6, 44) }
```

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

```
.border{ border-color:rgb(55, 6, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 6, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 6, 44); -webkit-box-shadow:4px  
4px 4px 4px rgb(55, 6, 44); box-shadow:4px  
4px 4px 4px rgb(55, 6, 44) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 30.617, 337.007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 6, 44) }
```

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

```
.background{ background-color: rgb(55, 6,  
44) }
```

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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