

Converting Colors

CIELCh(10, 11.190, 337.178)

Have a look what the booklet for
CIELCh(10, 11.190, 337.178)
contains.

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Color

CIELCh(10, 11.230, 337.230)

Conversions

Conversions Part 1

Format	Color
Hex	271621
RGB	39, 22, 33
RGB Percent	15%, 9%, 13%
CMY	0.8490, 0.9119, 0.8687
CMYK	0.00, 0.42, 0.13, 0.85
HSL	319°, 26%, 12%
HSV	319°, 42%, 15%
XYZ	1.3952, 1.1260, 1.6184
YIQ	28.3370, 6.6010, 7.0250

Conversions

Conversions Part 2

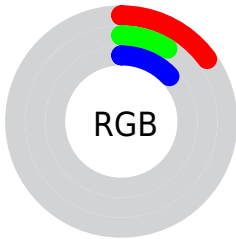
Format	Color
RYB	39, 22, 33
Decimal	2561569
CIELab	10.00, 10.35, -4.35
CIELCh	10, 11.230, 337.230
Yxy	1.1260, 0.3370, 0.2720
Android (android.graphics.Color)	4280751649 (0xFF271621)
YUV	28.3370, 2.2989, 9.3515
Hunter-Lab	10.6114, 4.8988, -1.6144

Details

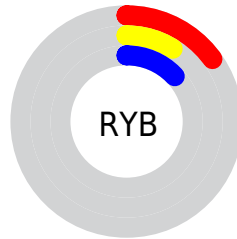
The CIELCh color **10, 11.230, 337.230** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **14, 11.092, 152.106**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 11.300, 338.750**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 13.851, 337.904**, and if you desaturate by 10%, it is **11, 8.539, 336.596**.

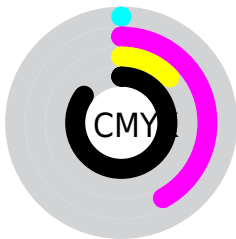
Distribution



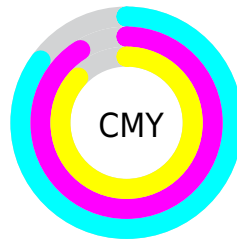
- Red (15%)
- Green (9%)
- Blue (13%)



- Red (15%)
- Yellow (9%)
- Blue (13%)



- Cyan (0%)
- Magenta (42%)
- Yellow (13%)
- Black (85%)





- Cyan (85%)
- Magenta (91%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 11.230, 337.230 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, 11.230, 337.230 by changing the saturation by 10% instead.


 10, 11.230,
337.230


 10, 11.230,
337.230


 100, 11.230,
337.230


 0, 11.230, 337.230


 30, 11.230,
337.230

 40, 11.230,
337.230


 50, 11.230,
337.230


 60, 11.230,
337.230


 70, 11.230,
337.230

 80, 11.230,

337.230

 90, 11.230,
337.230

 10, 11.230,
337.230

 10, 11.230,
337.230

 9, 13.851, 337.904

 11, 8.539, 336.596

 8, 16.334, 338.626

 13, 5.824, 335.992

 7, 18.344, 339.426

 14, 3.116, 335.408

 6, 19.941, 340.273

 15, 0.438, 334.650

 5, 21.472, 341.011

 17, 2.195, 154.441

 5, 22.706, 341.561

 18, 4.773, 153.923

 19, 7.292, 153.448

■ 21, 9.750, 153.000

■ 22, 12.145,
152.573

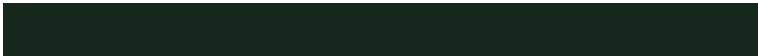
Harmonies

Complementary

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



10, 11.230, 337.230



14, 11.092, 152.106

Rectangle

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



10, 11.230, 337.230



10, 11.230, 27.230



10, 11.230, 157.230



10, 11.230, 207.230

Sweetspot

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



10, 11.229, 337.231



19, 4.080, 335.478



9, 12.233, 304.050



8, 2.610, 335.428



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



10, 11.229, 337.231



13, 16.994, 338.034



10, 8.790, 6.973



6, 1.268, 335.146



16, 41.514, 344.055



47, 79.416, 346.068

Inverse Universe

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



10, 11.229, 337.231



13, 16.994, 338.034



14, 7.669, 180.203



6, 1.268, 335.146



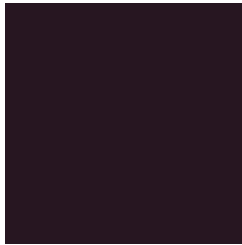
16, 41.514, 344.055



47, 79.416, 346.068

Previews

White Background



This preview shows how the CIE LCh color 10, 11.230, 337.230 looks on a white background.

Color Contrast Check

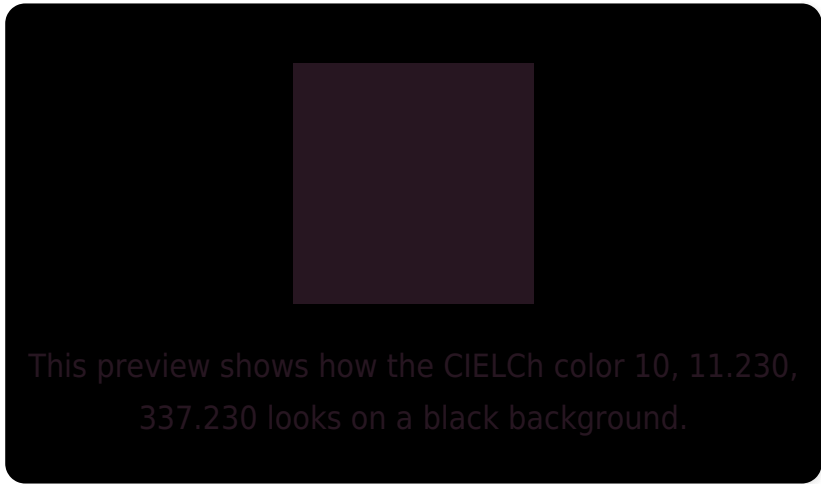
Large Text (above 18pt) WCAG AA ✓ Pass

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

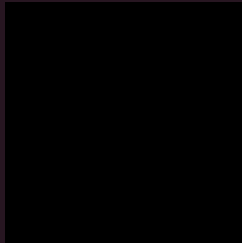
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 11.230, 337.230

Background



This preview shows how black text looks on a background with the CIELCh color 10, 11.230, 337.230.

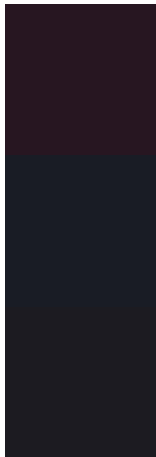


This preview shows how white text looks on a background with the CIELCh color 10, 11.230, 337.230.

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, 11.563, 339.202

Protanopia

10, 6.722, 280.763

Deuteranopia

10, 4.468, 297.771



Tritanopia
10, 7.558, 10.753

Trichromacy



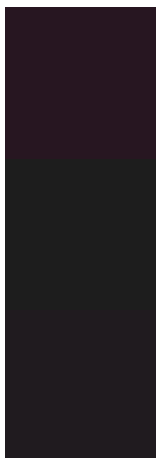
Original Color
10, 11.563, 339.202

Protanomaly
10, 7.657, 306.651

Deuteranomaly
10, 6.857, 321.854

Tritanomaly
10, 8.831, 352.610

Monochromacy



Original Color
10, 11.563, 339.202

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 3.875, 331.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 11.230, 337.230 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(39, 22, 33)` looks like.

```
.text, #text, p{  
    color:rgb(39, 22, 33)  
}
```

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(39, 22, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 22, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 11.230, 337.230 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(39, 22, 33) }
```

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

```
.border{ border-color:rgb(39, 22, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 22, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 22, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 22, 33);  
box-shadow:4px 4px 4px 4px rgb(39, 22, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 11.230, 337.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 22, 33) }
```

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

```
.background{ background-color: rgb(39, 22,  
33) }
```

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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