

Converting Colors

CIELCh(13, 56.964, 307.031)

Have a look what the booklet for
CIELCh(13, 56.964, 307.031)
contains.

CIELCh(13, 57.229, 307.113)	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(13, 57.229, 307.113)

Conversions

Conversions Part 1

Format	Color
Hex	230E63
RGB	35, 14, 99
RGB Percent	14%, 5%, 39%
CMY	0.8634, 0.9457, 0.6124
CMYK	0.65, 0.86, 0.00, 0.61
HSL	255°, 75%, 22%
HSV	255°, 86%, 39%
XYZ	3.0872, 1.5625, 11.9055
YIQ	29.9690, -14.7690, 30.8870

Conversions

Conversions Part 2

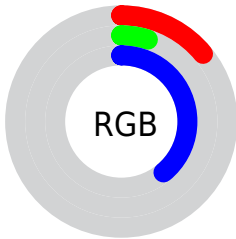
Format	Color
RYB	35, 14, 99
Decimal	2297443
CIELab	13.00, 34.53, -45.64
CIElCh	13, 57.229, 307.113
Yxy	1.5625, 0.1865, 0.0944
Android (android.graphics.Color)	4280487523 (0xFF230E63)
YUV	29.9690, 34.0323, 4.4122
Hunter-Lab	12.5000, 22.2104, -47.7204

Details

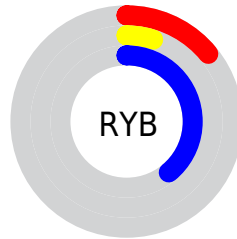
The CIELCh color **13, 57.229, 307.113** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **39, 46.032, 116.081**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 57.129, 306.919**, and **2, 33.217, 296.403** is the 20% darker color. If you saturate the color by 10%, you get **11, 62.549, 307.780**, and if you desaturate by 10%, it is **16, 51.109, 306.312**.

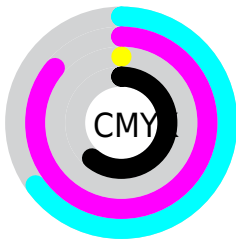
Distribution



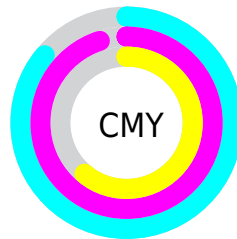
- Red (14%)
- Green (5%)
- Blue (39%)



- Red (14%)
- Yellow (5%)
- Blue (39%)



- Cyan (65%)
- Magenta (86%)
- Yellow (0%)
- Black (61%)





- Cyan (86%)
- Magenta (95%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 57.229, 307.113 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 13, 57.229, 307.113 by changing the saturation by 10% instead.

 13, 57.229,
307.113


 13, 57.229,
307.113


 100, 57.229,
307.113


 3, 57.229, 307.113


 33, 57.229,
307.113

 0, 57.229, 307.113

 43, 57.229,
307.113


 53, 57.229,
307.113


 63, 57.229,
307.113


 73, 57.229,
307.113


 83, 57.229,


307.113


 93, 57.229,
307.113

 13, 57.229,
307.113


 13, 57.229,
307.113


 11, 62.549,
307.780

 16, 51.109,
306.312

 10, 64.927,
308.202

 19, 44.296,
305.336

 22, 37.228,
304.311

 26, 30.161,
303.313

 29, 23.229,
302.386

■ 33, 16.492,
301.545

■ 36, 9.971, 300.797

■ 40, 3.671, 300.134

■ 43, 2.415, 119.568

Harmonies

Complementary

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



13, 57.229, 307.113



39, 46.032, 116.081

Rectangle

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



13, 57.229, 307.113



13, 57.229, 357.113



13, 57.229, 127.113



13, 57.229, 177.113

Sweetspot

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



13, 57.229, 307.114



42, 20.372, 301.607



31, 20.811, 235.333



19, 13.743, 301.791



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



13, 57.229, 307.114



15, 78.065, 307.956



19, 54.409, 319.216



18, 3.401, 300.316



12, 71.126, 308.071



32, 125.197, 307.574

Inverse Universe

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



22, 45.609, 338.677



28, 57.537, 340.636



37, 52.671, 133.027



18, 3.409, 332.715



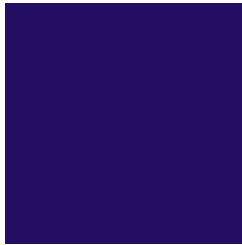
24, 52.623, 340.426



54, 91.035, 341.410

Previews

White Background



This preview shows how the CIE LCh color 13, 57.229, 307.113 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 13, 57.229, 307.113 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 13, 57.229, 307.113

Background



This preview shows how black text looks on a background with the CIELCh color 13, 57.229, 307.113.



This preview shows how white text looks on a background with the CIELCh color 13, 57.229, 307.113.

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

13, 57.229, 307.113

Protanopia

13, 27.595, 281.531

Deuteranopia

13, 19.547, 266.208



Tritanopia
13, 13.247, 206.056

Trichromacy



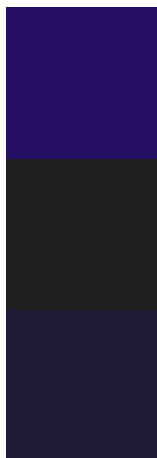
Original Color
13, 57.229, 307.113

Protanomaly
12, 39.182, 295.963

Deuteranomaly
12, 33.750, 293.271

Tritanomaly
12, 24.066, 285.545

Monochromacy



Original Color
13, 57.229, 307.113

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 22.880, 304.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 57.229, 307.113 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(35, 14, 99)` looks like.

```
.text, #text, p{  
    color:rgb(35, 14, 99)  
}
```

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(35, 14, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 14, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 57.229, 307.113 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(35, 14, 99) }
```

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

```
.border{ border-color:rgb(35, 14, 99) }
```

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

Here you see how a box with a 4 pixel rgb(35, 14, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 14, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 14, 99);  
box-shadow:4px 4px 4px 4px rgb(35, 14, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 57.229, 307.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 14, 99) }
```

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

```
.background{ background-color: rgb(35, 14,  
99) }
```

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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