

Converting Colors

CIELCh(11, 56.219, 313.170)

Have a look what the booklet for
CIELCh(11, 56.219, 313.170)
contains.

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Color

CIELCh(11, 56.356, 313.163)

Conversions

Conversions Part 1

Format	Color
Hex	2D0057
RGB	45, 0, 87
RGB Percent	18%, 0%, 34%
CMY	0.8224, 0.9992, 0.6578
CMYK	0.48, 1.00, 0.00, 0.66
HSL	271°, 100%, 17%
HSV	271°, 100%, 34%
XYZ	2.8278, 1.2610, 9.1675
YIQ	23.3730, -1.1070, 36.5970

Conversions

Conversions Part 2

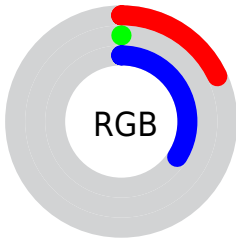
Format	Color
RYB	45, 0, 87
Decimal	2949207
CIELab	11.00, 38.55, -41.11
CIELCh	11, 56.356, 313.163
Yxy	1.2610, 0.2133, 0.0951
Android (android.graphics.Color)	4281139287 (0xFF2D0057)
YUV	23.3730, 31.3681, 18.9669
Hunter-Lab	11.2295, 25.2978, -40.5425

Details

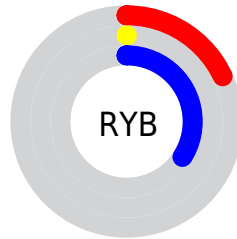
The CIELCh color **11, 56.356, 313.163** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **33, 49.531, 127.367**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **31, 56.237, 313.150**, and **2, 23.618, 291.153** is the 20% darker color. If you saturate the color by 10%, you get **11, 56.469, 313.172**, and if you desaturate by 10%, it is **13, 51.841, 313.011**.

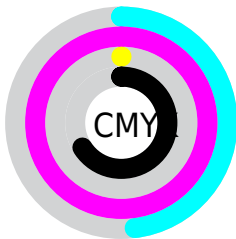
Distribution



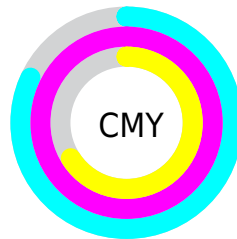
- Red (18%)
- Green (0%)
- Blue (34%)



- Red (18%)
- Yellow (0%)
- Blue (34%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (66%)





- Cyan (82%)
- Magenta (100%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 56.356, 313.163 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 11, 56.356, 313.163 by changing the saturation by 10% instead.

 11, 56.356,
313.163


 11, 56.356,
313.163


 100, 56.356,
313.163


 1, 56.356, 313.163


 31, 56.356,
313.163

 0, 56.356, 313.163

 41, 56.356,
313.163


 51, 56.356,
313.163


 61, 56.356,
313.163


 71, 56.356,
313.163


 81, 56.356,


313.163


 91, 56.356,
313.163


 11, 56.356,
313.163


 11, 56.356,
313.163


 11, 56.469,
313.172

 13, 51.841,
313.011

 15, 47.398,
312.993

 17, 42.097,
312.761

 20, 36.258,
312.389

 22, 30.143,
311.941

■ 25, 23.934,
311.461

■ 28, 17.747,
310.979

■ 31, 11.652,
310.513

■ 34, 5.688, 310.071

Harmonies

Complementary

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



11, 56.356, 313.163



33, 49.531, 127.367

Rectangle

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



11, 56.356, 313.163



11, 56.356, 3.163



11, 56.356, 133.163



11, 56.356, 183.163

Sweetspot

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



11, 56.356, 313.164



36, 22.030, 311.035



17, 31.606, 281.847



16, 14.904, 311.154



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



11, 56.356, 313.164



16, 67.547, 312.818



19, 52.203, 328.850



16, 3.235, 310.028



15, 65.321, 312.878



38, 116.891, 312.139

Inverse Universe

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



17, 38.888, 0.054



23, 46.297, 1.547



31, 54.326, 136.357



16, 2.564, 345.246



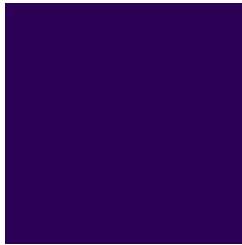
21, 44.815, 1.300



50, 79.328, 4.459

Previews

White Background



This preview shows how the CIELCh color 11, 56.356, 313.163 looks on a white background.

Color Contrast Check

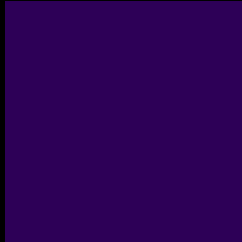
Large Text (above 18pt) WCAG AA ✓ Pass

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 11, 56.356, 313.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

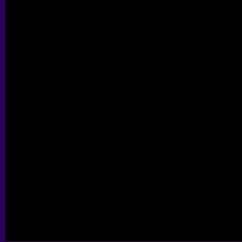
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 56.356, 313.163

Background



This preview shows how black text looks on a background with the CIELCh color 11, 56.356, 313.163.



This preview shows how white text looks on a background with the CIELCh color 11, 56.356, 313.163.

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

11, 56.356, 313.163

Protanopia

13, 26.349, 280.581

Deuteranopia

13, 18.951, 265.425



Tritanopia
13, 2.335, 266.863

Trichromacy



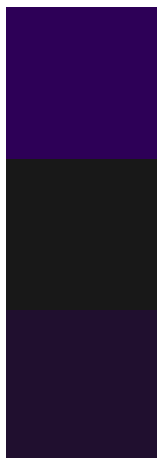
Original Color
11, 56.356, 313.163

Protanomaly
10, 39.725, 299.370

Deuteranomaly
10, 34.288, 297.457

Tritanomaly
11, 24.661, 310.273

Monochromacy



Original Color
11, 56.356, 313.163

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 24.614, 312.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 56.356, 313.163 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(45, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(45, 0, 87)  
}
```

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(45, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 0, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 56.356, 313.163 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(45, 0, 87) }
```

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

```
.border{ border-color:rgb(45, 0, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 0, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 0, 87); -webkit-box-shadow:4px  
4px 4px 4px rgb(45, 0, 87); box-shadow:4px  
4px 4px 4px rgb(45, 0, 87) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 56.356, 313.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 0, 87) }
```

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

```
.background{ background-color: rgb(45, 0,  
87) }
```

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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