

Converting Colors

CIELCh(11, 57.991, 311.230)

Have a look what the booklet for
CIELCh(11, 57.991, 311.230)
contains.

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Color

CIELCh(11, 57.939, 311.262)

Conversions

Conversions Part 1

Format	Color
Hex	29025B
RGB	41, 2, 91
RGB Percent	16%, 1%, 36%
CMY	0.8399, 0.9927, 0.6438
CMYK	0.55, 0.98, 0.00, 0.64
HSL	266°, 96%, 18%
HSV	266°, 98%, 36%
XYZ	2.8091, 1.2610, 9.9566
YIQ	23.8070, -5.3250, 35.9470

Conversions

Conversions Part 2

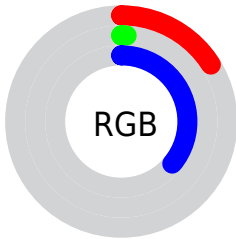
Format	Color
RYB	41, 2, 91
Decimal	2687579
CIELab	11.00, 38.21, -43.55
CIELCh	11, 57.939, 311.262
Yxy	1.2610, 0.2003, 0.0899
Android (android.graphics.Color)	4280877659 (0xFF29025B)
YUV	23.8070, 33.1261, 15.0783
Hunter-Lab	11.2295, 25.0018, -44.7088




Details

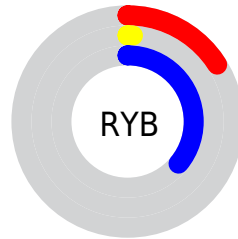
The CIELCh color **11, 57.939, 311.262** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **34, 49.117, 124.645**, and the grayscale version is **8, 0.002, 296.812**.




A 20% lighter version of the original color is **31, 57.793, 311.392**, and **2, 26.761, 292.733** is the 20% darker color. If you saturate the color by 10%, you get **11, 59.028, 311.367**, and if you desaturate by 10%, it is **13, 53.241, 311.047**.

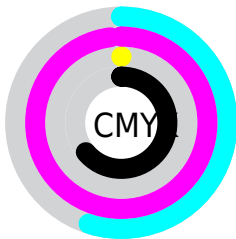
Distribution







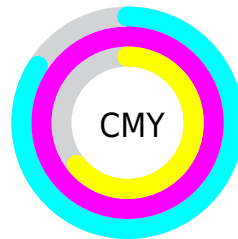
-  Red (16%)
-  Green (1%)
-  Blue (36%)






-  Red (16%)
-  Yellow (1%)
-  Blue (36%)



-  Cyan (55%)
-  Magenta (98%)
-  Yellow (0%)
-  Black (64%)



-  Cyan (84%)
-  Magenta (99%)
-  Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 57.939, 311.262 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, 57.939, 311.262 by changing the saturation by 10% instead.

■ 11, 57.939,
311.262

■ 11, 57.939,
311.262

■ 100, 57.939,
311.262

■ 1, 57.939, 311.262

■ 31, 57.939,
311.262

■ 0, 57.939, 311.262

■ 41, 57.939,
311.262


■ 51, 57.939,
311.262


■ 61, 57.939,
311.262


■ 71, 57.939,
311.262


■ 81, 57.939,


311.262


 91, 57.939,
311.262


 11, 57.939,
311.262


 11, 57.939,
311.262


 11, 59.028,
311.367

 13, 53.241,
311.047

 15, 48.233,
310.850

 18, 42.426,
310.445

 21, 36.181,
309.923

 24, 29.758,
309.350

■ 27, 23.321,
308.771

■ 30, 16.966,
308.213

■ 33, 10.748,
307.689

■ 36, 4.691, 307.204

Harmonies

Complementary

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



11, 57.939, 311.262



34, 49.117, 124.645

Rectangle

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



11, 57.939, 311.262



11, 57.939, 1.262



11, 57.939, 131.262



11, 57.939, 181.262

Sweetspot

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



11, 57.939, 311.263



38, 21.794, 308.320



21, 27.412, 272.153



17, 14.854, 308.470



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



11, 57.939, 311.263



16, 70.916, 311.021



19, 53.987, 325.789



17, 3.343, 307.247



14, 67.534, 311.105



36, 119.912, 310.404

Inverse Universe

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



18, 40.565, 353.161



24, 48.815, 354.709



33, 55.229, 135.582



17, 2.842, 341.037



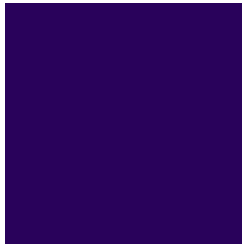
22, 46.584, 354.435



52, 81.306, 356.860

Previews

White Background



This preview shows how the CIELCh color 11, 57.939, 311.262 looks on a white background.

Color Contrast Check

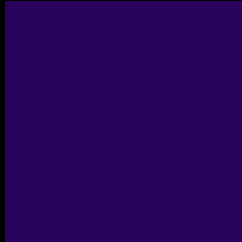
Large Text (above 18pt) WCAG AA ✓ Pass

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, 57.939, 311.262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

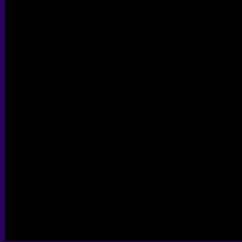
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 57.939, 311.262

Background



This preview shows how black text looks on a background with the CIELCh color 11, 57.939, 311.262.



This preview shows how white text looks on a background with the CIELCh color 11, 57.939, 311.262.

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, 57.939, 311.262

Protanopia

12, 26.399, 281.202

Deuteranopia

12, 18.919, 266.207



Tritanopia
13, 5.645, 220.924

Trichromacy



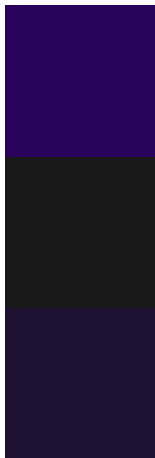
Original Color
11, 57.939, 311.262

Protanomaly
10, 39.754, 299.122

Deuteranomaly
10, 34.989, 297.345

Tritanomaly
10, 25.028, 302.230

Monochromacy



Original Color
11, 57.939, 311.262

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 24.436, 309.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 57.939, 311.262 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(41, 2, 91)` looks like.

```
.text, #text, p{  
    color:rgb(41, 2, 91)  
}
```

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(41, 2, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 2, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 57.939, 311.262 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(41, 2, 91) }
```

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

```
.border{ border-color:rgb(41, 2, 91) }
```

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

Here you see how a box with a 4 pixel rgb(41, 2, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 2, 91); -webkit-box-shadow:4px  
4px 4px 4px rgb(41, 2, 91); box-shadow:4px  
4px 4px 4px rgb(41, 2, 91) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 57.939, 311.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 2, 91) }
```

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

```
.background{ background-color: rgb(41, 2,  
91) }
```

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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