

Converting Colors

CIELCh(11, 56.535, 311.843)

Have a look what the booklet for
CIELCh(11, 56.535, 311.843)
contains.

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Color

CIELCh(11, 56.763, 311.746)

Conversions

Conversions Part 1

Format	Color
Hex	2A0259
RGB	42, 2, 89
RGB Percent	16%, 1%, 35%
CMY	0.8350, 0.9919, 0.6507
CMYK	0.53, 0.98, 0.00, 0.65
HSL	268°, 95%, 18%
HSV	268°, 98%, 35%
XYZ	2.7865, 1.2610, 9.5635
YIQ	23.8780, -4.0870, 35.5370

Conversions

Conversions Part 2

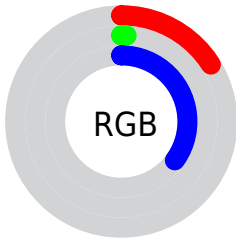
Format	Color
RYB	42, 2, 89
Decimal	2753113
CIELab	11.00, 37.79, -42.35
CIElCh	11, 56.763, 311.746
Yxy	1.2610, 0.2047, 0.0926
Android (android.graphics.Color)	4280943193 (0xFF2A0259)
YUV	23.8780, 32.1051, 15.8930
Hunter-Lab	11.2295, 24.6419, -42.6333

Details

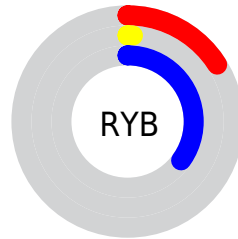
The CIELCh color **11, 56.763, 311.746** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **34, 48.672, 125.421**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **31, 56.692, 311.669**, and **2, 25.188, 291.935** is the 20% darker color. If you saturate the color by 10%, you get **11, 57.957, 311.852**, and if you desaturate by 10%, it is **13, 52.172, 311.572**.

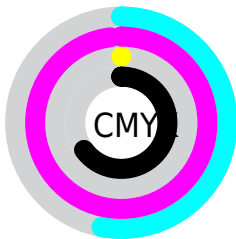
Distribution



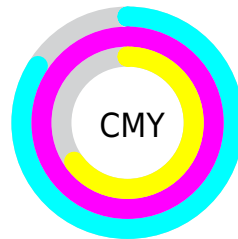
- Red (16%)
- Green (1%)
- Blue (35%)



- Red (16%)
- Yellow (1%)
- Blue (35%)



- Cyan (53%)
- Magenta (98%)
- Yellow (0%)
- Black (65%)



- Cyan (84%)
- Magenta (99%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 56.763, 311.746 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, 56.763, 311.746 by changing the saturation by 10% instead.

■ 11, 56.763,
311.746

■ 11, 56.763,
311.746

■ 100, 56.763,
311.746

■ 1, 56.763, 311.746

■ 31, 56.763,
311.746

■ 0, 56.763, 311.746

■ 41, 56.763,
311.746


■ 51, 56.763,
311.746


■ 61, 56.763,
311.746


■ 71, 56.763,
311.746


■ 81, 56.763,


311.746


 91, 56.763,
311.746


 11, 56.763,
311.746


 11, 56.763,
311.746


 11, 57.957,
311.852

 13, 52.172,
311.572

 15, 47.274,
311.410

 18, 41.595,
311.044

 20, 35.479,
310.560

 23, 29.177,
310.023

■ 26, 22.849,
309.475

■ 29, 16.593,
308.942

■ 32, 10.463,
308.439

■ 35, 4.488, 307.971

Harmonies

Complementary

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



11, 56.763, 311.746



34, 48.672, 125.421

Rectangle

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



11, 56.763, 311.746



11, 56.763, 1.746



11, 56.763, 131.746



11, 56.763, 181.746

Sweetspot

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



11, 56.763, 311.747



37, 21.472, 309.058



20, 27.764, 274.003



17, 14.900, 309.206



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, 56.763, 311.747



15, 69.478, 311.501



19, 53.128, 326.387



16, 3.198, 308.019



14, 66.100, 311.589



36, 118.370, 310.856

Inverse Universe

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



17, 39.635, 354.799



24, 47.704, 356.515



32, 54.497, 135.754



16, 2.667, 342.147



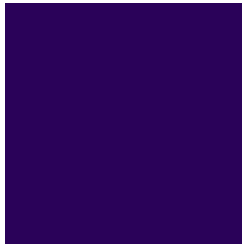
22, 45.476, 356.208



51, 80.122, 358.895

Previews

White Background



This preview shows how the CIELCh color 11, 56.763, 311.746 looks on a white background.

Color Contrast Check

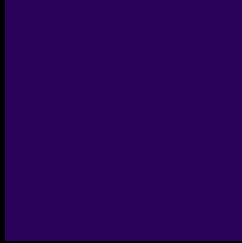
Large Text (above 18pt) WCAG AA ✓ Pass

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, 56.763, 311.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

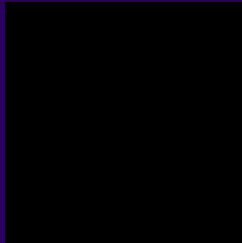
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 56.763, 311.746

Background



This preview shows how black text looks on a background with the CIELCh color 11, 56.763, 311.746.



This preview shows how white text looks on a background with the CIELCh color 11, 56.763, 311.746.

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

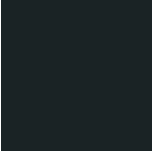
11, 56.763, 311.746

Protanopia

12, 26.399, 281.202

Deuteranopia

12, 18.919, 266.207



Tritanopia
13, 4.310, 218.106

Trichromacy



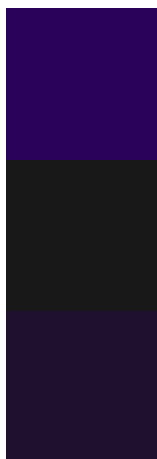
Original Color
11, 56.763, 311.746

Protanomaly
10, 39.754, 299.122

Deuteranomaly
10, 34.312, 297.129

Tritanomaly
11, 24.375, 304.834

Monochromacy



Original Color
11, 56.763, 311.746

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 24.475, 310.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 56.763, 311.746 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(42, 2, 89)` looks like.

```
.text, #text, p{  
    color:rgb(42, 2, 89)  
}
```

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(42, 2, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 2, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 56.763, 311.746 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(42, 2, 89) }
```

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

```
.border{ border-color:rgb(42, 2, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 2, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 2, 89); -webkit-box-shadow:4px  
4px 4px 4px rgb(42, 2, 89); box-shadow:4px  
4px 4px 4px rgb(42, 2, 89) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 56.763, 311.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 2, 89) }
```

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

```
.background{ background-color: rgb(42, 2,  
89) }
```

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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