

Converting Colors

CIELCh(12, 61.859, 309.098)

Have a look what the booklet for
CIELCh(12, 61.859, 309.098)
contains.

CIELCh(12, 61.700, 309.106)	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(12, 61.700, 309.106)

Conversions

Conversions Part 1

Format	Color
Hex	250564
RGB	37, 5, 100
RGB Percent	15%, 2%, 39%
CMY	0.8561, 0.9813, 0.6089
CMYK	0.63, 0.95, 0.00, 0.61
HSL	260°, 91%, 20%
HSV	260°, 95%, 39%
XYZ	3.0916, 1.4064, 12.0996
YIQ	25.3980, -11.4230, 36.3290

Conversions

Conversions Part 2

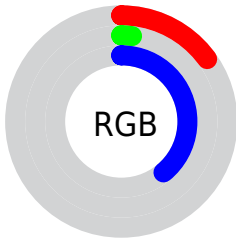
Format	Color
R_{YB}	37, 5, 100
Decimal	2426212
CIE _{Lab}	12.00, 38.92, -47.88
CIE _{LCh}	12, 61.700, 309.106
Yxy	1.4064, 0.1863, 0.0847
Android (android.graphics.Color)	4280616292 (0xFF250564)
YUV	25.3980, 36.7788, 10.1750
Hunter-Lab	11.8591, 25.7812, -52.1912




Details

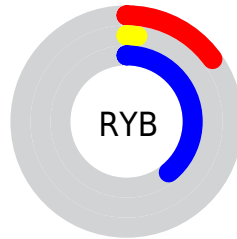
The CIELCh color **12, 61.700, 309.106** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **38, 50.140, 120.547**, and the grayscale version is **9, 0.002, 296.813**.




A 20% lighter version of the original color is **32, 61.478, 309.086**, and **2, 34.020, 296.797** is the 20% darker color. If you saturate the color by 10%, you get **11, 64.348, 309.417**, and if you desaturate by 10%, it is **14, 56.651, 308.776**.

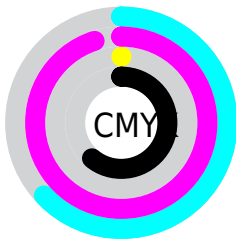
Distribution







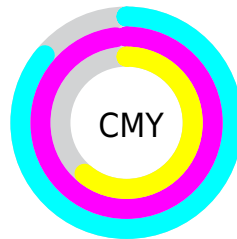
-  Red (15%)
-  Green (2%)
-  Blue (39%)






-  Red (15%)
-  Yellow (2%)
-  Blue (39%)



-  Cyan (63%)
-  Magenta (95%)
-  Yellow (0%)
-  Black (61%)



-  Cyan (86%)
-  Magenta (98%)
-  Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 61.700, 309.106 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 12, 61.700, 309.106 by changing the saturation by 10% instead.

■ 12, 61.700,
309.106

■ 12, 61.700,
309.106

■ 100, 61.700,
309.106

■ 2, 61.700, 309.106

■ 32, 61.700,
309.106

■ 0, 61.700, 309.106

■ 42, 61.700,
309.106


■ 52, 61.700,
309.106


■ 62, 61.700,
309.106


■ 72, 61.700,
309.106


■ 82, 61.700,


309.106

 92, 61.700,
309.106

 12, 61.700,
309.106

 12, 61.700,
309.106


 11, 64.348,
309.417

 14, 56.651,
308.776

 17, 50.699,
308.262

 20, 44.031,
307.568

 23, 37.050,
306.798

 26, 30.011,
306.022

■ 30, 23.057,
305.280

■ 33, 16.262,
304.594

■ 37, 9.660, 303.971

■ 40, 3.263, 303.408

Harmonies

Complementary

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



12, 61.700, 309.106



38, 50.140, 120.547

Rectangle

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



12, 61.700, 309.106



12, 61.700, 359.106



12, 61.700, 129.106



12, 61.700, 179.106

Sweetspot

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



12, 61.701, 309.107



42, 23.424, 304.905



27, 24.333, 256.925



19, 16.274, 305.119



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



12, 61.701, 309.107



16, 78.010, 309.118



20, 57.325, 322.283



19, 3.594, 303.612



14, 71.196, 309.249



34, 124.365, 308.665

Inverse Universe

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



21, 45.021, 345.402



28, 55.105, 346.887



36, 57.391, 134.733



20, 3.339, 336.337



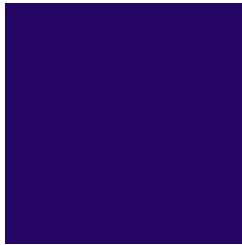
24, 50.497, 346.565



53, 86.575, 348.093

Previews

White Background



This preview shows how the CIELCh color 12, 61.700, 309.106 looks on a white background.

Color Contrast Check

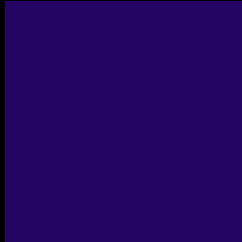
Large Text (above 18pt) WCAG AA ✓ Pass

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 12, 61.700, 309.106 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 12, 61.700, 309.106

Background



This preview shows how black text looks on a background with the CIELCh color 12, 61.700, 309.106.



This preview shows how white text looks on a background with the CIELCh color 12, 61.700, 309.106.

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

12, 61.700, 309.106

Protanopia

13, 26.999, 281.371

Deuteranopia

13, 18.987, 264.653



Tritanopia
13, 13.042, 206.247

Trichromacy



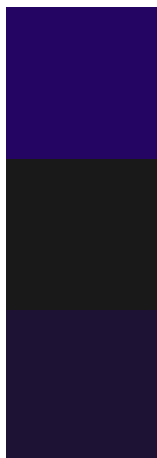
Original Color
12, 61.700, 309.106

Protanomaly
11, 41.564, 298.319

Deuteranomaly
11, 35.398, 295.438

Tritanomaly
10, 26.402, 290.226

Monochromacy



Original Color
12, 61.700, 309.106

Achromatopsia
9, 0.002, 296.813

Achromatomaly
8, 25.568, 306.715

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 61.700, 309.106 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(37, 5, 100)` looks like.

```
.text, #text, p{  
    color:rgb(37, 5, 100)  
}
```

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(37, 5, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 5, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 61.700, 309.106 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(37, 5, 100) }
```

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

```
.border{ border-color:rgb(37, 5, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 5, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 5, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 5, 100);  
box-shadow:4px 4px 4px 4px rgb(37, 5, 100)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 61.700, 309.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 5, 100) }
```

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

```
.background{ background-color: rgb(37, 5,  
100) }
```

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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