

Converting Colors

CIELCh(12, 63.106, 304.929)

Have a look what the booklet for
CIELCh(12, 63.106, 304.929)
contains.

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Color

CIELCh(12, 62.741, 304.900)

Conversions

Conversions Part 1

Format	Color
Hex	110C69
RGB	17, 12, 105
RGB Percent	7%, 5%, 41%
CMY	0.9328, 0.9527, 0.5880
CMYK	0.84, 0.89, 0.00, 0.59
HSL	243°, 79%, 23%
HSV	243°, 89%, 41%
XYZ	2.9194, 1.4064, 13.5017
YIQ	24.0970, -26.8730, 29.9830

Conversions

Conversions Part 2

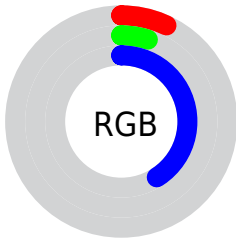
Format	Color
R_{YB}	17, 12, 105
Decimal	1117289
CIE _{Lab}	12.00, 35.90, -51.46
CIE _{LCh}	12, 62.741, 304.900
Yxy	1.4064, 0.1638, 0.0789
Android (android.graphics.Color)	4279307369 (0xFF110C69)
YUV	24.0970, 39.8852, -6.2241
Hunter-Lab	11.8591, 23.1888, -59.2009

Details

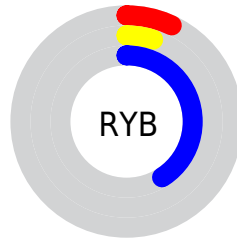
The CIELCh color **12, 62.741, 304.900** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **43, 47.681, 106.243**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **32, 62.558, 305.012**, and **3, 35.854, 297.438** is the 20% darker color. If you saturate the color by 10%, you get **10, 68.434, 306.348**, and if you desaturate by 10%, it is **15, 56.255, 303.360**.

Distribution



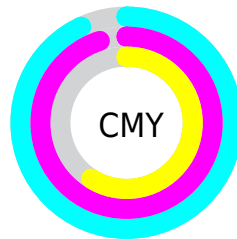
- Red (7%)
- Green (5%)
- Blue (41%)



- Red (7%)
- Yellow (5%)
- Blue (41%)



- Cyan (84%)
- Magenta (89%)
- Yellow (0%)
- Black (59%)



- Cyan (93%)
- Magenta (95%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 62.741, 304.900 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, 62.741, 304.900 by changing the saturation by 10% instead.

■ 12, 62.741,
304.900

■ 12, 62.741,
304.900

■ 100, 62.741,
304.900

■ 2, 62.741, 304.900

■ 32, 62.741,
304.900

■ 0, 62.741, 304.900

■ 42, 62.741,
304.900


■ 52, 62.741,
304.900


■ 62, 62.741,
304.900


■ 72, 62.741,
304.900


■ 82, 62.741,


304.900

 92, 62.741,
304.900


 12, 62.741,
304.900

 12, 62.741,
304.900


 10, 68.434,
306.348


 15, 56.255,
303.360

 9, 69.373, 306.600

 18, 48.829,
301.580

 22, 41.123,
299.777

 25, 33.488,
298.085

 29, 26.073,
296.562

■ 33, 18.926,
295.225

■ 37, 12.054,
294.067

■ 41, 5.443, 293.072

■ 45, 0.921, 112.179

Harmonies

Complementary

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



12, 62.741, 304.900



43, 47.681, 106.243

Rectangle

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



12, 62.741, 304.900



12, 62.741, 354.900



12, 62.741, 124.900



12, 62.741, 174.900

Sweetspot

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



12, 62.742, 304.901



44, 22.339, 295.133



38, 23.764, 203.630



20, 15.010, 295.429



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



12, 62.742, 304.901



15, 84.313, 306.517



17, 59.135, 313.832



20, 3.650, 293.115



12, 75.058, 306.564



31, 129.494, 306.403

Inverse Universe

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



24, 55.197, 330.071



32, 70.094, 330.474



39, 53.390, 128.291



21, 4.246, 326.388



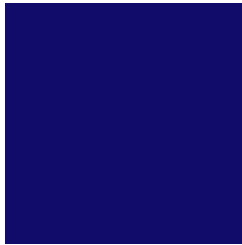
27, 62.489, 330.436



57, 107.269, 330.574

Previews

White Background



This preview shows how the CIE LCh color 12, 62.741, 304.900 looks on a white background.

Color Contrast Check

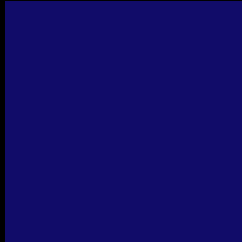
Large Text (above 18pt) WCAG AA ✓ Pass

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, 62.741, 304.900 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, 62.741, 304.900

Background



This preview shows how black text looks on a background with the CIELCh color 12, 62.741, 304.900.



This preview shows how white text looks on a background with the CIELCh color 12, 62.741, 304.900.

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, 62.741, 304.900

Protanopia

13, 25.702, 279.751

Deuteranopia

13, 18.395, 263.791



Tritanopia
13, 13.284, 199.602

Trichromacy



Original Color
12, 62.741, 304.900

Protanomaly
11, 40.196, 295.778

Deuteranomaly
11, 34.663, 292.421

Tritanomaly
11, 25.020, 284.007

Monochromacy



Original Color
12, 62.741, 304.900

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 24.644, 299.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 62.741, 304.900 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(17, 12, 105)` looks like.

```
.text, #text, p{  
    color:rgb(17, 12, 105)  
}
```

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(17, 12, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 12, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 62.741, 304.900 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(17, 12, 105) }
```

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

```
.border{ border-color:rgb(17, 12, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 12, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 12, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 12, 105);  
box-shadow:4px 4px 4px 4px rgb(17, 12,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 62.741, 304.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 12, 105) }
```

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

```
.background{ background-color: rgb(17, 12,  
105) }
```

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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