

Converting Colors

CIELCh(12, 65.426, 305.075)

Have a look what the booklet for
CIELCh(12, 65.426, 305.075)
contains.

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Color

CIELCh(12, 65.442, 305.113)

Conversions

Conversions Part 1

Format	Color
Hex	0E0A6C
RGB	14, 10, 108
RGB Percent	5%, 4%, 42%
CMY	0.9432, 0.9600, 0.5756
CMYK	0.87, 0.91, 0.00, 0.58
HSL	243°, 83%, 23%
HSV	243°, 91%, 42%
XYZ	3.0181, 1.4064, 14.3623
YIQ	22.3680, -29.0740, 31.3260

Conversions

Conversions Part 2

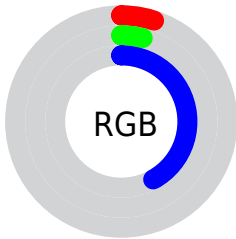
Format	Color
R _Y B	14, 10, 108
Decimal	920172
CIE Lab	12.00, 37.64, -53.53
CIE LCh	12, 65.442, 305.113
Yxy	1.4064, 0.1606, 0.0749
Android (android.graphics.Color)	4279110252 (0xFF0E0A6C)
YUV	22.3680, 42.2166, -7.3387
Hunter-Lab	11.8591, 24.6739, -63.5039

Details

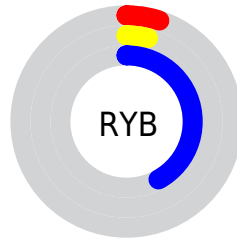
The CIELCh color **12, 65.442, 305.113** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **44, 49.266, 105.594**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **32, 65.474, 304.943**, and **3, 38.771, 299.076** is the 20% darker color. If you saturate the color by 10%, you get **10, 70.919, 306.529**, and if you desaturate by 10%, it is **15, 59.145, 303.613**.

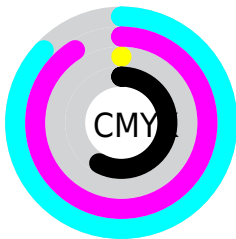
Distribution



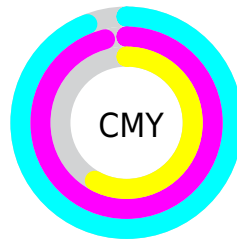
- Red (5%)
- Green (4%)
- Blue (42%)



- Red (5%)
- Yellow (4%)
- Blue (42%)



- Cyan (87%)
- Magenta (91%)
- Yellow (0%)
- Black (58%)



- Cyan (94%)
- Magenta (96%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 65.442, 305.113 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, 65.442, 305.113 by changing the saturation by 10% instead.

■ 12, 65.442,
305.113

■ 12, 65.442,
305.113

■ 100, 65.442,
305.113

■ 2, 65.442, 305.113

■ 32, 65.442,
305.113

■ 0, 65.442, 305.113

■ 42, 65.442,
305.113


■ 52, 65.442,
305.113


■ 62, 65.442,
305.113


■ 72, 65.442,
305.113


■ 82, 65.442,


305.113


 92, 65.442,
305.113


 12, 65.442,
305.113


 12, 65.442,
305.113


 10, 70.919,
306.529

 15, 59.145,
303.613

 18, 51.667,
301.804

 21, 43.780,
299.933

 25, 35.912,
298.154

 29, 28.253,
296.546

■ 33, 20.868,
295.131

■ 37, 13.767,
293.905

■ 41, 6.940, 292.851

■ 45, 0.371, 292.022

Harmonies

Complementary

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



12, 65.442, 305.113



44, 49.266, 105.594

Rectangle

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



12, 65.442, 305.113



12, 65.442, 355.113



12, 65.442, 125.113



12, 65.442, 175.113

Sweetspot

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



12, 65.443, 305.114



45, 22.674, 294.764



40, 24.895, 201.214



21, 15.473, 295.084



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



12, 65.443, 305.114



15, 85.514, 306.466



17, 61.508, 313.342



20, 3.649, 292.696



11, 75.126, 306.508



31, 129.549, 306.378

Inverse Universe

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



25, 57.372, 329.711



33, 71.636, 330.002



41, 55.047, 127.890



21, 4.278, 326.073



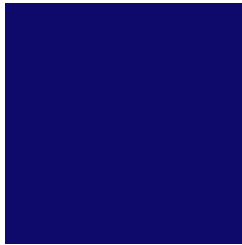
27, 63.013, 329.969



57, 108.222, 330.077

Previews

White Background



This preview shows how the CIELCh color 12, 65.442, 305.113 looks on a white background.

Color Contrast Check

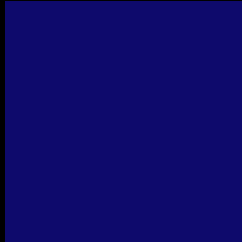
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 12, 65.442, 305.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

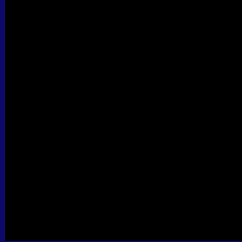
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 65.442, 305.113

Background



This preview shows how black text looks on a background with the CIELCh color 12, 65.442, 305.113.



This preview shows how white text looks on a background with the CIELCh color 12, 65.442, 305.113.

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, 65.442, 305.113

Protanopia

13, 26.349, 280.581

Deuteranopia

13, 18.395, 263.791



Tritanopia
13, 13.144, 202.894

Trichromacy



Original Color
12, 65.442, 305.113

Protanomaly
12, 41.526, 296.094

Deuteranomaly
11, 36.129, 293.381

Tritanomaly
11, 27.148, 286.310

Monochromacy



Original Color
12, 65.442, 305.113

Achromatopsia
8, 0.002, 296.812

Achromatomaly
8, 26.976, 300.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 65.442, 305.113 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(14, 10, 108)` looks like.

```
.text, #text, p{  
    color:rgb(14, 10, 108)  
}
```

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(14, 10, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 10, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 65.442, 305.113 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(14, 10, 108) }
```

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

```
.border{ border-color:rgb(14, 10, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 10, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 10, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 10, 108);  
box-shadow:4px 4px 4px 4px rgb(14, 10,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 65.442, 305.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 10, 108) }
```

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

```
.background{ background-color: rgb(14, 10,  
108) }
```

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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