

Converting Colors

CIELCh(3, 73.616, 289.709)

Have a look what the booklet for
CIELCh(3, 73.616, 289.709) contains.

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Color

CIELCh(12, 66.101, 304.055)

Conversions

Conversions Part 1

Format	Color
Hex	030C6E
RGB	3, 12, 110
RGB Percent	1%, 5%, 43%
CMY	0.9898, 0.9531, 0.5683
CMYK	0.98, 0.89, 0.00, 0.57
HSL	235°, 95%, 22%
HSV	235°, 98%, 43%
XYZ	2.9824, 1.4064, 14.8900
YIQ	20.4810, -36.8220, 28.5700

Conversions

Conversions Part 2

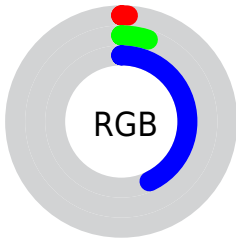
Format	Color
RYB	3, 11, 110
Decimal	199790
CIELab	12.00, 37.02, -54.76
CIELCh	12, 66.101, 304.055
Yxy	1.4064, 0.1547, 0.0729
Android (android.graphics.Color)	4278389870 (0xFF030C6E)
YUV	20.4810, 44.1329, -15.3308
Hunter-Lab	11.8591, 24.1374, -66.1421

Details

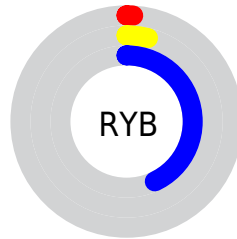
The CIELCh color **12, 66.101, 304.055** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **42, 48.572, 97.408**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **32, 66.038, 304.027**, and **4, 39.933, 299.648** is the 20% darker color. If you saturate the color by 10%, you get **12, 67.323, 304.381**, and if you desaturate by 10%, it is **14, 60.050, 302.156**.

Distribution



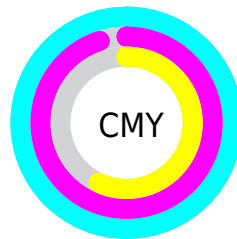
- Red (1%)
- Green (5%)
- Blue (43%)



- Red (1%)
- Yellow (4%)
- Blue (43%)



- Cyan (98%)
- Magenta (89%)
- Yellow (0%)
- Black (57%)



- Cyan (99%)
- Magenta (95%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 66.101, 304.055 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, 66.101, 304.055 by changing the saturation by 10% instead.

■ 12, 66.101,
304.055

■ 12, 66.101,
304.055

■ 100, 66.101,
304.055

■ 2, 66.101, 304.055

■ 32, 66.101,
304.055

■ 0, 66.101, 304.055

■ 42, 66.101,
304.055


■ 52, 66.101,
304.055


■ 62, 66.101,
304.055


■ 72, 66.101,
304.055


■ 82, 66.101,


304.055


 92, 66.101,
304.055


 12, 66.101,
304.055


 12, 66.101,
304.055


 12, 67.323,
304.381

 14, 60.050,
302.156

 17, 52.984,
299.833

 21, 45.547,
297.441

 24, 38.138,
295.165

 28, 30.932,
293.104

■ 32, 23.981,
291.289

■ 36, 17.288,
289.717

■ 40, 10.840,
288.366

■ 44, 4.619, 287.211

Harmonies

Complementary

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



12, 66.101, 304.055



42, 48.572, 97.408

Rectangle

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



12, 66.101, 304.055



12, 66.101, 354.055



12, 66.101, 124.055



12, 66.101, 174.055

Sweetspot

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



12, 66.102, 304.056



45, 22.539, 290.033



41, 29.232, 183.088



21, 15.449, 290.527



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, 66.102, 304.056



17, 82.531, 304.852



14, 66.996, 310.294



21, 3.460, 287.359



13, 71.962, 304.554



32, 126.751, 305.426

Inverse Universe

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



22, 51.041, 33.001



29, 64.162, 35.530



42, 55.745, 123.484



22, 2.663, 12.806



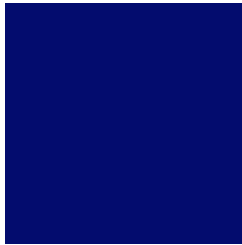
24, 55.709, 34.260



52, 98.527, 37.223

Previews

White Background



This preview shows how the CIELCh color 12, 66.101, 304.055 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, 66.101, 304.055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

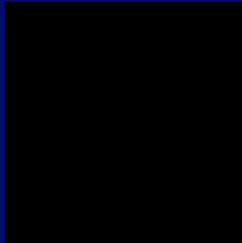
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 66.101, 304.055

Background



This preview shows how black text looks on a background with the CIELCh color 12, 66.101, 304.055.



This preview shows how white text looks on a background with the CIELCh color 12, 66.101, 304.055.

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, 66.023, 304.069

Protanopia

13, 26.999, 281.371

Deuteranopia

13, 18.439, 263.007



Tritanopia
13, 13.144, 202.894

Trichromacy



Original Color
12, 66.023, 304.069

Protanomaly
12, 42.915, 295.917

Deuteranomaly
12, 36.777, 292.372

Tritanomaly
11, 26.536, 283.472

Monochromacy



Original Color
12, 66.023, 304.069

Achromatopsia
6, 0.002, 296.812

Achromatomaly
7, 26.982, 296.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 66.101, 304.055 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(3, 12, 110)` looks like.

```
.text, #text, p{  
    color:rgb(3, 12, 110)  
}
```

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(3, 12, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 12, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 66.101, 304.055 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(3, 12, 110) }
```

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

```
.border{ border-color:rgb(3, 12, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 12, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 12, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 12, 110);  
box-shadow:4px 4px 4px 4px rgb(3, 12, 110)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 66.101, 304.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 12, 110) }
```

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

```
.background{ background-color: rgb(3, 12,  
110) }
```

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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