

Converting Colors

CIELCh(0, 79.259, 281.538)

Have a look what the booklet for
CIELCh(0, 79.259, 281.538) contains.

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Color

CIELCh(12, 69.605, 304.624)

Conversions

Conversions Part 1

Format	Color
Hex	000972
RGB	0, 9, 114
RGB Percent	0%, 4%, 45%
CMY	1.0000, 0.9650, 0.5532
CMYK	1.00, 0.92, 0.00, 0.55
HSL	235°, 100%, 22%
HSV	235°, 100%, 45%
XYZ	3.1284, 1.4064, 16.0063
YIQ	18.2790, -39.0690, 30.7470

Conversions

Conversions Part 2

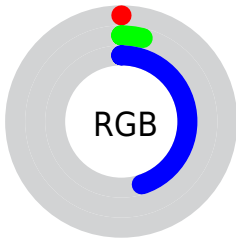
Format	Color
RYB	0, 8, 114
Decimal	2418
CIELab	12.00, 39.55, -57.28
CIELCh	12, 69.605, 304.624
Yxy	1.4064, 0.1523, 0.0685
Android (android.graphics.Color)	4278192498 (0xFF000972)
YUV	18.2790, 47.1905, -16.0307
Hunter-Lab	11.8591, 26.3353, -71.7230

Details

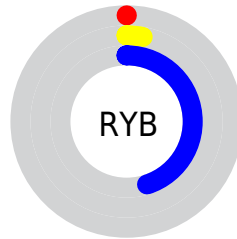
The CIELCh color **12, 69.605, 304.624** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **44, 50.672, 97.822**, and the grayscale version is **5, 0.002, 296.812**.

A 20% lighter version of the original color is **32, 69.510, 304.681**, and **4, 42.833, 301.048** is the 20% darker color. If you saturate the color by 10%, you get **12, 69.600, 304.634**, and if you desaturate by 10%, it is **14, 63.867, 302.984**.

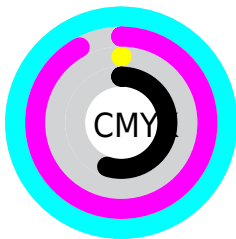
Distribution



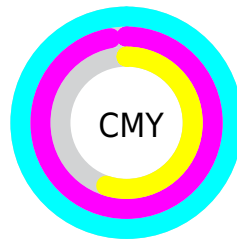
- Red (0%)
- Green (4%)
- Blue (45%)



- Red (0%)
- Yellow (3%)
- Blue (45%)



- Cyan (100%)
- Magenta (92%)
- Yellow (0%)
- Black (55%)



- Cyan (100%)
- Magenta (97%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 69.605, 304.624 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, 69.605, 304.624 by changing the saturation by 10% instead.

■ 12, 69.605,
304.624

■ 12, 69.605,
304.624

■ 100, 69.605,
304.624

■ 2, 69.605, 304.624

■ 32, 69.605,
304.624

■ 0, 69.605, 304.624

■ 42, 69.605,
304.624


■ 52, 69.605,
304.624


■ 62, 69.605,
304.624


■ 72, 69.605,
304.624


■ 82, 69.605,


304.624


 92, 69.605,
304.624


 12, 69.605,
304.624


 12, 69.605,
304.624


 12, 69.600,
304.634

 14, 63.867,
302.984

 17, 56.826,
300.764

 20, 49.179,
298.392

 24, 41.455,
296.087

 28, 33.900,
293.971

■ 32, 26.603,
292.098

■ 36, 19.579,
290.469

■ 40, 12.817,
289.069

■ 44, 6.299, 287.870

Harmonies

Complementary

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



12, 69.605, 304.624



44, 50.672, 97.822

Rectangle

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



12, 69.605, 304.624



12, 69.605, 354.624



12, 69.605, 124.624



12, 69.605, 174.624

Sweetspot

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



12, 69.600, 304.634



46, 24.282, 290.587



43, 29.715, 184.906



21, 16.559, 291.090



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



12, 69.600, 304.634



17, 85.282, 305.055



15, 69.731, 310.643



21, 3.492, 287.759



13, 72.395, 304.725



32, 127.293, 305.545

Inverse Universe

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



22, 53.629, 34.118



30, 66.279, 36.118



43, 58.231, 124.311



22, 2.660, 13.507



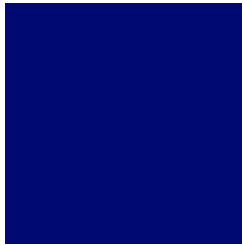
24, 55.929, 34.627



52, 98.975, 37.585

Previews

White Background



This preview shows how the CIELCh color 12, 69.605, 304.624 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, 69.605, 304.624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

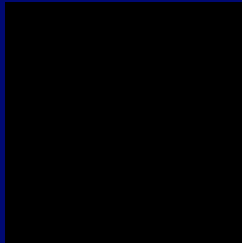
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 69.605, 304.624

Background



This preview shows how black text looks on a background with the CIELCh color 12, 69.605, 304.624.



This preview shows how white text looks on a background with the CIELCh color 12, 69.605, 304.624.

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, 69.605, 304.624

Protanopia

13, 26.948, 280.765

Deuteranopia

13, 18.987, 264.653



Tritanopia
13, 13.350, 202.769

Trichromacy



Original Color
12, 69.605, 304.624

Protanomaly
12, 44.229, 296.241

Deuteranomaly
11, 38.899, 293.636

Tritanomaly
11, 29.326, 286.399

Monochromacy



Original Color
12, 69.605, 304.624

Achromatopsia
5, 0.002, 296.812

Achromatomaly
6, 28.272, 296.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 69.605, 304.624 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(0, 9, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 9, 114)  
}
```

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(0, 9, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 9, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 69.605, 304.624 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(0, 9, 114) }
```

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

```
.border{ border-color:rgb(0, 9, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 9, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 9, 114); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 9, 114); box-shadow:4px  
4px 4px 4px rgb(0, 9, 114) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 69.605, 304.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 9, 114) }
```

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

```
.background{ background-color: rgb(0, 9,  
114) }
```

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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