

Converting Colors

CIELCh(11, 72.300, 306.006)

Have a look what the booklet for
CIELCh(11, 72.300, 306.006)
contains.

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Color

CIELCh(11, 72.245, 306.052)

Conversions

Conversions Part 1

Format	Color
Hex	030271
RGB	3, 2, 113
RGB Percent	1%, 1%, 44%
CMY	0.9871, 0.9919, 0.5564
CMYK	0.97, 0.98, 0.00, 0.56
HSL	241°, 96%, 23%
HSV	241°, 98%, 44%
XYZ	3.0505, 1.2610, 15.7380
YIQ	14.9530, -35.0350, 34.7330

Conversions

Conversions Part 2

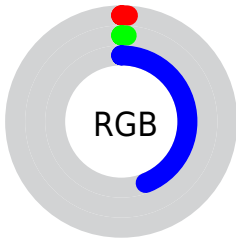
Format	Color
RYB	3, 2, 113
Decimal	197233
CIELab	11.00, 42.52, -58.41
CIElCh	11, 72.245, 306.052
Yxy	1.2610, 0.1521, 0.0629
Android (android.graphics.Color)	4278387313 (0xFF030271)
YUV	14.9530, 48.3372, -10.4828
Hunter-Lab	11.2295, 28.8387, -75.2338

Details

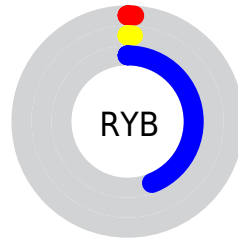
The CIELCh color **11, 72.245, 306.052** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **46, 52.747, 103.562**, and the grayscale version is **4, 0.001, 296.812**.

A 20% lighter version of the original color is **31, 71.955, 305.972**, and **4, 41.540, 300.413** is the 20% darker color. If you saturate the color by 10%, you get **11, 73.395, 306.346**, and if you desaturate by 10%, it is **13, 66.553, 304.603**.

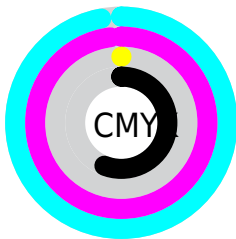
Distribution



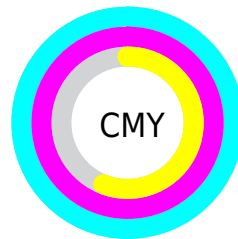
- Red (1%)
- Green (1%)
- Blue (44%)



- Red (1%)
- Yellow (1%)
- Blue (44%)



- Cyan (97%)
- Magenta (98%)
- Yellow (0%)
- Black (56%)



- Cyan (99%)
- Magenta (99%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 72.245, 306.052 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 11, 72.245, 306.052 by changing the saturation by 10% instead.

■ 11, 72.245,
306.052

■ 11, 72.245,
306.052

■ 100, 72.245,
306.052

■ 1, 72.245, 306.052

■ 31, 72.245,
306.052

■ 0, 72.245, 306.052

■ 41, 72.245,
306.052


■ 51, 72.245,
306.052


■ 61, 72.245,
306.052


■ 71, 72.245,
306.052


■ 81, 72.245,


306.052


 91, 72.245,
306.052


 11, 72.245,
306.052


 11, 72.245,
306.052


 11, 73.395,
306.346

 13, 66.553,
304.603

 16, 59.670,
302.857

 19, 51.726,
300.842

 23, 43.482,
298.811

 27, 35.333,
296.914

■ 32, 27.438,
295.221

■ 36, 19.843,
293.745

■ 40, 12.548,
292.475

■ 44, 5.537, 291.391

Harmonies

Complementary

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



11, 72.245, 306.052



46, 52.747, 103.562

Rectangle

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



11, 72.245, 306.052



11, 72.245, 356.052



11, 72.245, 126.052



11, 72.245, 176.052

Sweetspot

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



11, 72.246, 306.053



46, 25.533, 293.967



43, 27.377, 196.401



21, 17.524, 294.441



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



11, 72.246, 306.053



16, 89.088, 306.330



16, 67.319, 312.389



21, 3.792, 291.474



12, 76.497, 306.342



31, 130.714, 306.310

Inverse Universe

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



26, 62.486, 328.628



35, 76.341, 328.668



42, 58.861, 127.244



22, 4.549, 325.181



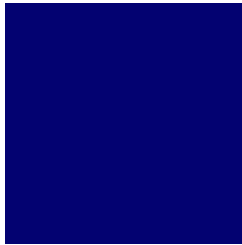
28, 65.575, 328.659



58, 111.940, 328.684

Previews

White Background



This preview shows how the CIELCh color 11, 72.245, 306.052 looks on a white background.

Color Contrast Check

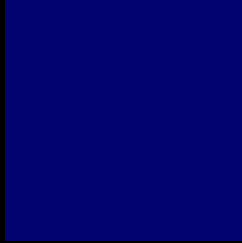
Large Text (above 18pt) WCAG AA ✓ Pass

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 11, 72.245, 306.052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

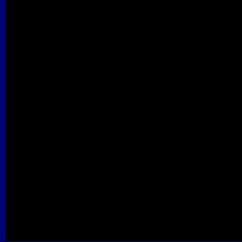
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 72.245, 306.052

Background



This preview shows how black text looks on a background with the CIELCh color 11, 72.245, 306.052.



This preview shows how white text looks on a background with the CIELCh color 11, 72.245, 306.052.

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

11, 72.245, 306.052

Protanopia

13, 26.349, 280.581

Deuteranopia

13, 18.951, 265.425



Tritanopia
13, 13.144, 202.894

Trichromacy



Original Color
11, 72.245, 306.052

Protanomaly
11, 45.184, 297.715

Deuteranomaly
10, 40.537, 295.696

Tritanomaly
10, 30.923, 289.548

Monochromacy



Original Color
11, 72.245, 306.052

Achromatopsia
4, 0.001, 296.812

Achromatomaly
5, 29.424, 298.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 72.245, 306.052 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, 2, 113)` looks like.

```
.text, #text, p{  
    color:rgb(3, 2, 113)  
}
```

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, 2, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 2, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 72.245, 306.052 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, 2, 113) }
```

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

```
.border{ border-color:rgb(3, 2, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 2, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 2, 113); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 2, 113); box-shadow:4px  
4px 4px 4px rgb(3, 2, 113) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 72.245, 306.052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 2, 113) }
```

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

```
.background{ background-color: rgb(3, 2,  
113) }
```

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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