

Converting Colors

CIELCh(11, 46.592, 306.101)

Have a look what the booklet for
CIELCh(11, 46.592, 306.101)
contains.

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Color

CIELCh(11, 46.401, 306.151)

Conversions

Conversions Part 1

Format	Color
Hex	1F1052
RGB	31, 16, 82
RGB Percent	12%, 6%, 32%
CMY	0.8792, 0.9379, 0.6791
CMYK	0.62, 0.81, 0.00, 0.68
HSL	254°, 68%, 19%
HSV	254°, 81%, 32%
XYZ	2.2588, 1.2610, 8.0724
YIQ	28.0090, -12.2460, 23.7060

Conversions

Conversions Part 2

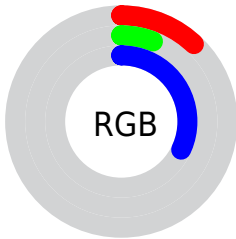
Format	Color
RYB	31, 16, 82
Decimal	2035794
CIELab	11.00, 27.37, -37.47
CIElCh	11, 46.401, 306.151
Yxy	1.2610, 0.1949, 0.1088
Android (android.graphics.Color)	4280225874 (0xFF1F1052)
YUV	28.0090, 26.6176, 2.6231
Hunter-Lab	11.2295, 16.2530, -34.7604




Details

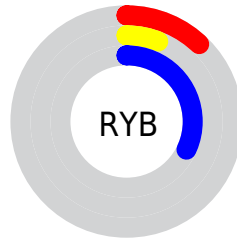
The CIELCh color **11, 46.401, 306.151** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **32, 37.969, 115.080**, and the grayscale version is **10, 0.003, 296.813**.




A 20% lighter version of the original color is **31, 46.077, 305.998**, and **2, 20.896, 290.401** is the 20% darker color. If you saturate the color by 10%, you get **9, 51.548, 306.985**, and if you desaturate by 10%, it is **14, 40.648, 305.160**.

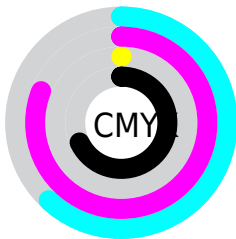
Distribution







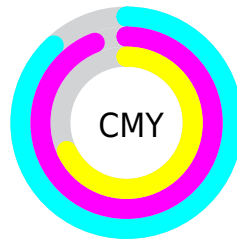
-  Red (12%)
-  Green (6%)
-  Blue (32%)






-  Red (12%)
-  Yellow (6%)
-  Blue (32%)



-  Cyan (62%)
-  Magenta (81%)
-  Yellow (0%)
-  Black (68%)



-  Cyan (88%)
-  Magenta (94%)
-  Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 46.401, 306.151 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, 46.401, 306.151 by changing the saturation by 10% instead.

■ 11, 46.401,
306.151

■ 11, 46.401,
306.151

■ 100, 46.401,
306.151

■ 1, 46.401, 306.151

■ 31, 46.401,
306.151

■ 0, 46.401, 306.151

■ 41, 46.401,
306.151

■ 51, 46.401,
306.151

■ 61, 46.401,
306.151

■ 71, 46.401,
306.151

■ 81, 46.401,

306.151

■ 91, 46.401,
306.151

■ 11, 46.401,
306.151

■ 11, 46.401,
306.151

■ 9, 51.548, 306.985

■ 14, 40.648,
305.160

■ 7, 56.655, 308.011

■ 16, 34.607,
304.099

■ 19, 28.528,
303.054

■ 22, 22.543,
302.075

■ 25, 16.714,
301.183

■ 28, 11.068,
300.385

■ 32, 5.608, 299.678

■ 35, 0.332, 299.025

■ 38, 4.767, 118.518

Harmonies

Complementary

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



11, 46.401, 306.151



32, 37.969, 115.080

Rectangle

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



11, 46.401, 306.151



11, 46.401, 356.151



11, 46.401, 126.151



11, 46.401, 176.151

Sweetspot

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



11, 46.401, 306.152



36, 16.197, 300.711



26, 17.446, 230.225



16, 11.036, 300.876



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



11, 46.401, 306.152



12, 67.201, 307.587



16, 45.015, 318.769



15, 2.932, 299.552



11, 67.797, 307.917



31, 122.484, 307.394

Inverse Universe

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



18, 38.774, 336.946



23, 51.121, 338.830



30, 43.301, 132.695



15, 2.988, 331.949



22, 50.814, 339.092



52, 90.144, 340.045

Previews

White Background



This preview shows how the CIE LCh color 11, 46.401, 306.151 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 11, 46.401, 306.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

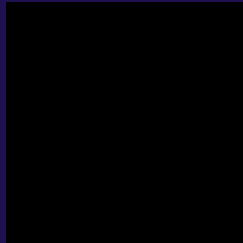
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 46.401, 306.151

Background



This preview shows how black text looks on a background with the CIELCh color 11, 46.401, 306.151.



This preview shows how white text looks on a background with the CIELCh color 11, 46.401, 306.151.

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, 46.401, 306.151

Protanopia

11, 24.534, 279.961

Deuteranopia

11, 17.161, 262.710



Tritanopia
11, 12.216, 207.092

Trichromacy



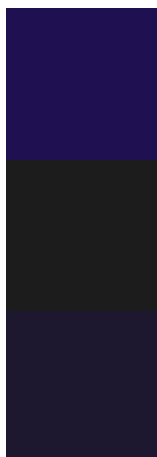
Original Color
11, 46.401, 306.151

Protanomaly
11, 32.734, 293.709

Deuteranomaly
10, 27.145, 289.874

Tritanomaly
10, 19.477, 281.634

Monochromacy



Original Color
11, 46.401, 306.151

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 17.871, 301.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 46.401, 306.151 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(31, 16, 82)` looks like.

```
.text, #text, p{  
    color:rgb(31, 16, 82)  
}
```

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(31, 16, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 16, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 46.401, 306.151 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(31, 16, 82) }
```

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

```
.border{ border-color:rgb(31, 16, 82) }
```

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

Here you see how a box with a 4 pixel rgb(31, 16, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 16, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 16, 82);  
box-shadow:4px 4px 4px 4px rgb(31, 16, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 46.401, 306.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 16, 82) }
```

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

```
.background{ background-color: rgb(31, 16,  
82) }
```

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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