

Converting Colors

CIELCh(14, 78.838, 305.352)

Have a look what the booklet for
CIELCh(14, 78.838, 305.352)
contains.

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Color

CIELCh(14, 78.738, 305.445)

Conversions

Conversions Part 1

Format	Color
Hex	000682
RGB	0, 6, 130
RGB Percent	0%, 2%, 51%
CMY	1.0000, 0.9771, 0.4909
CMYK	1.00, 0.96, 0.00, 0.49
HSL	237°, 100%, 25%
HSV	237°, 100%, 51%
XYZ	4.0732, 1.7298, 21.1729
YIQ	18.3420, -43.3800, 37.2920

Conversions

Conversions Part 2

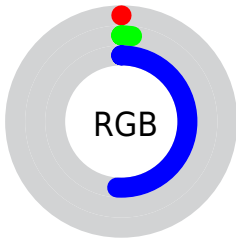
Format	Color
RYB	0, 6, 130
Decimal	1666
CIELab	14.00, 45.66, -64.15
CIElCh	14, 78.738, 305.445
Yxy	1.7298, 0.1510, 0.0641
Android (android.graphics.Color)	4278191746 (0xFF000682)
YUV	18.3420, 55.0474, -16.0859
Hunter-Lab	13.1521, 32.2652, -86.2417

Details

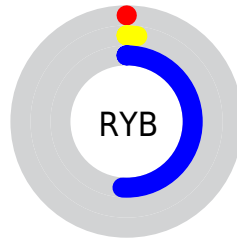
The CIELCh color **14, 78.738, 305.445** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **51, 56.881, 100.023**, and the grayscale version is **5, 0.002, 296.812**.

A 20% lighter version of the original color is **34, 78.618, 305.536**, and **5, 55.479, 305.160** is the 20% darker color. If you saturate the color by 10%, you get **14, 78.718, 305.467**, and if you desaturate by 10%, it is **16, 73.057, 304.063**.

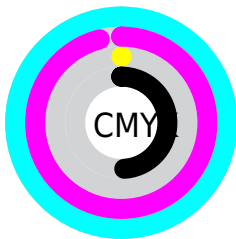
Distribution



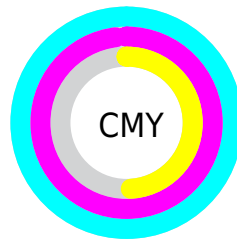
- Red (0%)
- Green (2%)
- Blue (51%)



- Red (0%)
- Yellow (2%)
- Blue (51%)



- Cyan (100%)
- Magenta (96%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (98%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 78.738, 305.445 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 14, 78.738, 305.445 by changing the saturation by 10% instead.

■ 14, 78.738,
305.445

■ 14, 78.738,
305.445

■ 100, 78.738,
305.445

■ 4, 78.738, 305.445

■ 34, 78.738,
305.445

■ 0, 78.738, 305.445

■ 44, 78.738,
305.445

■ 54, 78.738,
305.445

■ 64, 78.738,
305.445


■ 74, 78.738,
305.445

■ 84, 78.738,


305.445


 94, 78.738,
305.445


 14, 78.738,
305.445

 14, 78.738,
305.445


 14, 78.718,
305.467

 16, 73.057,
304.063

 19, 65.524,
302.067

 23, 56.916,
299.809

 27, 48.029,
297.549

 31, 39.268,
295.447

■ 36, 30.792,
293.575

■ 41, 22.639,
291.947

■ 45, 14.804,
290.550

■ 50, 7.267, 289.357

Harmonies

Complementary

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



14, 78.738, 305.445



51, 56.881, 100.023

Rectangle

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



14, 78.738, 305.445



14, 78.738, 355.445



14, 78.738, 125.445



14, 78.738, 175.445

Sweetspot

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



14, 78.718, 305.467



52, 28.029, 292.051



49, 31.619, 189.211



24, 19.166, 292.600



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



14, 78.718, 305.467



20, 95.904, 305.684



18, 76.172, 311.151



24, 4.030, 289.257



14, 77.655, 305.449



0, 0.000, 0.000

Inverse Universe

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



26, 60.679, 36.704



35, 74.603, 38.015



49, 64.753, 125.803



25, 2.953, 16.234



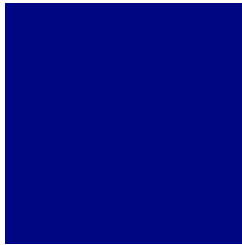
25, 59.787, 36.559



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 14, 78.738, 305.445 looks on a white background.

Color Contrast Check

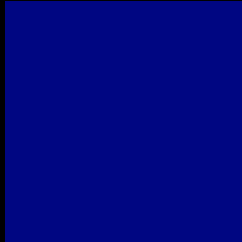
Large Text (above 18pt) WCAG AA ✓ Pass

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 14, 78.738, 305.445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

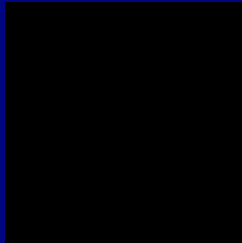
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 78.738, 305.445

Background



This preview shows how black text looks on a background with the CIELCh color 14, 78.738, 305.445.



This preview shows how white text looks on a background with the CIELCh color 14, 78.738, 305.445.

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

14, 78.738, 305.445

Protanopia

15, 29.953, 282.097

Deuteranopia

16, 20.819, 265.514



Tritanopia
15, 14.371, 202.208

Trichromacy



Original Color
14, 78.738, 305.445

Protanomaly
13, 50.432, 297.927

Deuteranomaly
13, 43.886, 295.118

Tritanomaly
12, 33.166, 288.575

Monochromacy



Original Color
14, 78.738, 305.445

Achromatopsia
5, 0.002, 296.812

Achromatomaly
6, 33.406, 299.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 78.738, 305.445 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, 6, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 6, 130)  
}
```

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, 6, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 6, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 78.738, 305.445 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, 6, 130) }
```

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

```
.border{ border-color:rgb(0, 6, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 6, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 6, 130); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 6, 130); box-shadow:4px  
4px 4px 4px rgb(0, 6, 130) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 78.738, 305.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 6, 130) }
```

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

```
.background{ background-color: rgb(0, 6,  
130) }
```

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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