

Converting Colors

CIELCh(8, 65.893, 289.734)

Have a look what the booklet for
CIELCh(8, 65.893, 289.734) contains.

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Color

CIELCh(14, 60.954, 301.233)

Conversions

Conversions Part 1

Format	Color
Hex	00166F
RGB	0, 22, 111
RGB Percent	0%, 9%, 44%
CMY	0.9988, 0.9134, 0.5642
CMYK	1.00, 0.80, 0.00, 0.56
HSL	228°, 99%, 22%
HSV	228°, 100%, 44%
XYZ	3.1683, 1.7298, 15.2409
YIQ	25.5680, -41.6810, 23.0150

Conversions

Conversions Part 2

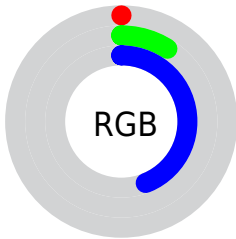
Format	Color
RYB	0, 18, 111
Decimal	5743
CIELab	14.00, 31.61, -52.12
CIElCh	14, 60.954, 301.233
Yxy	1.7298, 0.1573, 0.0859
Android (android.graphics.Color)	4278195823 (0xFF00166F)
YUV	25.5680, 42.1180, -22.4231
Hunter-Lab	13.1521, 19.9841, -59.5002

Details

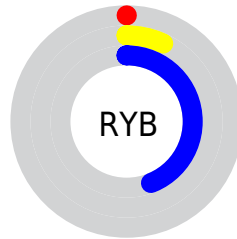
The CIELCh color **14, 60.954, 301.233** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **39, 46.508, 88.948**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 60.806, 301.059**, and **4, 41.717, 300.602** is the 20% darker color. If you saturate the color by 10%, you get **14, 61.117, 301.292**, and if you desaturate by 10%, it is **17, 54.660, 298.745**.

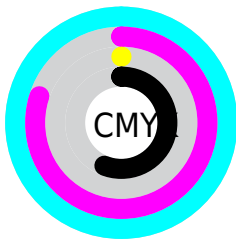
Distribution



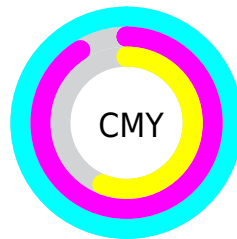
- Red (0%)
- Green (9%)
- Blue (44%)



- Red (0%)
- Yellow (7%)
- Blue (44%)



- Cyan (100%)
- Magenta (80%)
- Yellow (0%)
- Black (56%)





- Cyan (100%)
- Magenta (91%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 60.954, 301.233 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, 60.954, 301.233 by changing the saturation by 10% instead.

 14, 60.954,
301.233

 14, 60.954,
301.233


 100, 60.954,
301.233


 4, 60.954, 301.233


 34, 60.954,
301.233

 0, 60.954, 301.233

 44, 60.954,
301.233

 54, 60.954,
301.233

 64, 60.954,
301.233


 74, 60.954,
301.233


 84, 60.954,


301.233


 94, 60.954,
301.233


 14, 60.954,
301.233


 14, 60.954,
301.233


 14, 61.117,
301.292

 17, 54.660,
298.745

 19, 48.036,
295.916

 23, 41.381,
293.146

 26, 34.870,
290.577

 29, 28.562,
288.276

■ 33, 22.463,
286.260

■ 36, 16.559,
284.512

■ 40, 10.833,
283.007

■ 43, 5.271, 281.716

Harmonies

Complementary

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



14, 60.954, 301.233



39, 46.508, 88.948

Rectangle

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



14, 60.954, 301.233



14, 60.954, 351.233



14, 60.954, 121.233



14, 60.954, 171.233

Sweetspot

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



14, 60.955, 301.234



47, 20.857, 284.689



41, 33.281, 171.799



22, 14.410, 285.241



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



14, 60.955, 301.234



20, 75.993, 302.044



13, 69.854, 308.736



22, 3.068, 281.631



15, 64.996, 301.527



36, 116.526, 303.000

Inverse Universe

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



22, 49.234, 26.805



30, 60.667, 28.556



43, 55.109, 119.214



22, 2.738, 4.220



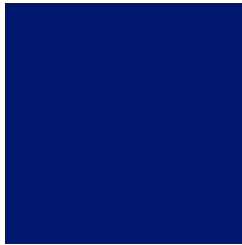
24, 52.286, 27.417



52, 91.891, 30.767

Previews

White Background



This preview shows how the CIE LCh color 14, 60.954, 301.233 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 14, 60.954, 301.233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

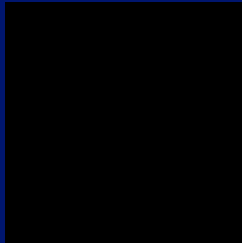
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 60.954, 301.233

Background



This preview shows how black text looks on a background with the CIELCh color 14, 60.954, 301.233.



This preview shows how white text looks on a background with the CIELCh color 14, 60.954, 301.233.

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, 60.954, 301.233

Protanopia

14, 28.780, 281.828

Deuteranopia

15, 20.202, 265.486



Tritanopia
15, 13.965, 202.420

Trichromacy



Original Color
14, 60.954, 301.233

Protanomaly
14, 40.963, 292.813

Deuteranomaly
14, 34.874, 288.514

Tritanomaly
13, 24.358, 276.646

Monochromacy



Original Color
14, 60.954, 301.233

Achromatopsia
9, 0.003, 296.813

Achromatomaly
10, 23.575, 291.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 60.954, 301.233 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, 22, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 22, 111)  
}
```

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, 22, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 22, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 60.954, 301.233 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, 22, 111) }
```

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

```
.border{ border-color:rgb(0, 22, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 22, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 22, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 22, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 22, 111)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 60.954, 301.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 22, 111) }
```

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

```
.background{ background-color: rgb(0, 22,  
111) }
```

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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