

Converting Colors

CIELCh(14, 60.111, 301.119)

Have a look what the booklet for
CIELCh(14, 60.111, 301.119)
contains.

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Color

CIELCh(14, 60.324, 301.284)

Conversions

Conversions Part 1

Format	Color
Hex	03166E
RGB	3, 22, 110
RGB Percent	1%, 9%, 43%
CMY	0.9898, 0.9129, 0.5676
CMYK	0.98, 0.80, 0.00, 0.57
HSL	229°, 95%, 22%
HSV	229°, 98%, 43%
XYZ	3.1518, 1.7298, 14.9929
YIQ	26.3510, -39.5720, 23.3400

Conversions

Conversions Part 2

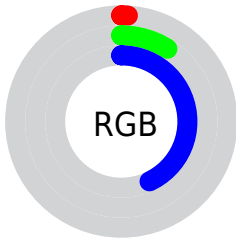
Format	Color
R_{YB}	3, 19, 110
Decimal	202350
CIE _{Lab}	14.00, 31.33, -51.55
CIE _{LCh}	14, 60.324, 301.284
Yxy	1.7298, 0.1586, 0.0870
Android (android.graphics.Color)	4278392430 (0xFF03166E)
YUV	26.3510, 41.2390, -20.4788
Hunter-Lab	13.1521, 19.7594, -58.3817

Details

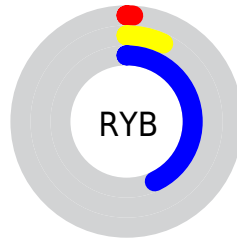
The CIELCh color **14, 60.324, 301.284** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **39, 45.992, 90.384**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 60.212, 301.260**, and **3, 40.898, 300.208** is the 20% darker color. If you saturate the color by 10%, you get **13, 61.749, 301.781**, and if you desaturate by 10%, it is **17, 53.949, 298.758**.

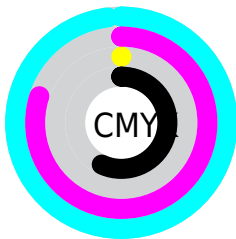
Distribution



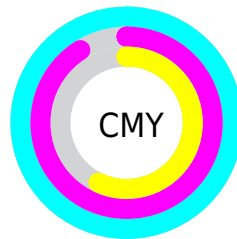
- Red (1%)
- Green (9%)
- Blue (43%)



- Red (1%)
- Yellow (7%)
- Blue (43%)



- Cyan (98%)
- Magenta (80%)
- Yellow (0%)
- Black (57%)



- Cyan (99%)
- Magenta (91%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 60.324, 301.284 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, 60.324, 301.284 by changing the saturation by 10% instead.

■ 14, 60.324,
301.284

■ 14, 60.324,
301.284

■ 100, 60.324,
301.284

■ 4, 60.324, 301.284

■ 34, 60.324,
301.284

■ 0, 60.324, 301.284

■ 44, 60.324,
301.284

■ 54, 60.324,
301.284

■ 64, 60.324,
301.284


■ 74, 60.324,
301.284


■ 84, 60.324,


301.284


 94, 60.324,
301.284


 14, 60.324,
301.284


 14, 60.324,
301.284

 13, 61.749,
301.781

 17, 53.949,
298.758

 20, 47.240,
295.990

 23, 40.518,
293.301

 26, 33.952,
290.819

 30, 27.596,
288.606

■ 33, 21.454,
286.670

■ 37, 15.512,
284.995

■ 40, 9.755, 283.553

■ 44, 4.166, 282.320

Harmonies

Complementary

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



14, 60.324, 301.284



39, 45.992, 90.384

Rectangle

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



14, 60.324, 301.284



14, 60.324, 351.284



14, 60.324, 121.284



14, 60.324, 171.284

Sweetspot

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



14, 60.325, 301.285



47, 20.190, 285.331



41, 32.115, 173.791



22, 13.825, 285.858



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



14, 60.325, 301.285



19, 76.113, 302.484



13, 68.073, 308.851



22, 3.118, 282.478



15, 66.071, 302.031



35, 118.228, 303.429

Inverse Universe

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



22, 48.486, 27.054



29, 60.401, 29.554



42, 54.429, 119.893



22, 2.724, 5.338



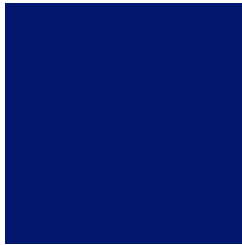
24, 52.756, 28.527



52, 92.807, 31.809

Previews

White Background



This preview shows how the CIELCh color 14, 60.324, 301.284 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, 60.324, 301.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

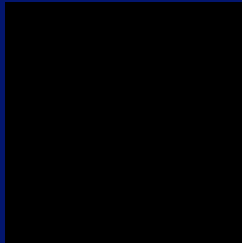
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 60.324, 301.284

Background



This preview shows how black text looks on a background with the CIELCh color 14, 60.324, 301.284.



This preview shows how white text looks on a background with the CIELCh color 14, 60.324, 301.284.

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, 60.296, 301.358

Protanopia

14, 28.780, 281.828

Deuteranopia

15, 19.653, 263.982



Tritanopia
15, 13.965, 202.420

Trichromacy



Original Color
14, 60.296, 301.358

Protanomaly
14, 40.293, 292.663

Deuteranomaly
14, 34.194, 288.273

Tritanomaly
13, 24.313, 277.037

Monochromacy



Original Color
14, 60.296, 301.358

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, 60.324, 301.284 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, 22, 110)` looks like.

```
.text, #text, p{  
    color:rgb(3, 22, 110)  
}
```

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, 22, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 22, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 60.324, 301.284 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, 22, 110) }
```

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

```
.border{ border-color:rgb(3, 22, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 22, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 22, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 22, 110);  
box-shadow:4px 4px 4px 4px rgb(3, 22, 110)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 60.324, 301.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 22, 110) }
```

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

```
.background{ background-color: rgb(3, 22,  
110) }
```

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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