

Converting Colors

CIELCh(7, 72.032, 293.206)

Have a look what the booklet for
CIELCh(7, 72.032, 293.206) contains.

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Color

CIELCh(14, 65.633, 302.723)

Conversions

Conversions Part 1

Format	Color
Hex	021374
RGB	2, 19, 116
RGB Percent	1%, 7%, 45%
CMY	0.9912, 0.9265, 0.5455
CMYK	0.98, 0.84, 0.00, 0.55
HSL	231°, 96%, 23%
HSV	231°, 98%, 45%
XYZ	3.4027, 1.7298, 16.6456
YIQ	24.9750, -41.2690, 26.5630

Conversions

Conversions Part 2

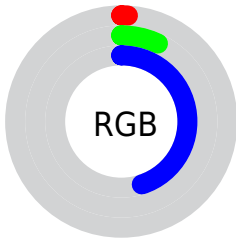
Format	Color
R _Y B	2, 17, 116
Decimal	136052
CIE Lab	14.00, 35.48, -55.22
CIE LCh	14, 65.633, 302.723
Yxy	1.7298, 0.1562, 0.0794
Android (android.graphics.Color)	4278326132 (0xFF021374)
YUV	24.9750, 44.8753, -20.1491
Hunter-Lab	13.1521, 23.1650, -65.8325

Details

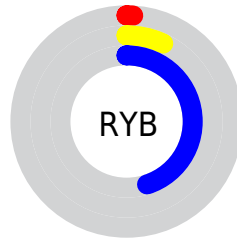
The CIELCh color **14, 65.633, 302.723** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **42, 48.747, 93.141**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **34, 65.576, 302.682**, and **4, 45.936, 302.483** is the 20% darker color. If you saturate the color by 10%, you get **14, 66.787, 303.078**, and if you desaturate by 10%, it is **17, 59.107, 300.441**.

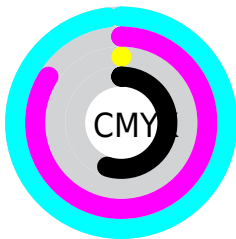
Distribution



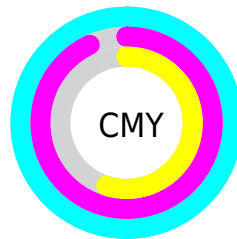
- Red (1%)
- Green (7%)
- Blue (45%)



- Red (1%)
- Yellow (7%)
- Blue (45%)



- Cyan (98%)
- Magenta (84%)
- Yellow (0%)
- Black (55%)



- Cyan (99%)
- Magenta (93%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 65.633, 302.723 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, 65.633, 302.723 by changing the saturation by 10% instead.

■ 14, 65.633,
302.723

■ 14, 65.633,
302.723

■ 100, 65.633,
302.723

■ 4, 65.633, 302.723

■ 34, 65.633,
302.723

■ 0, 65.633, 302.723

■ 44, 65.633,
302.723

■ 54, 65.633,
302.723


■ 64, 65.633,
302.723


■ 74, 65.633,
302.723


■ 84, 65.633,


302.723


 94, 65.633,
302.723

 14, 65.633,
302.723


 14, 65.633,
302.723


 14, 66.787,
303.078

 17, 59.107,
300.441

 20, 51.938,
297.830

 23, 44.609,
295.229

 27, 37.396,
292.797

 30, 30.406,
290.613

■ 34, 23.661,
288.697

■ 38, 17.152,
287.040

■ 42, 10.863,
285.615

■ 46, 4.776, 284.397

Harmonies

Complementary

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



14, 65.633, 302.723



42, 48.747, 93.141

Rectangle

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



14, 65.633, 302.723



14, 65.633, 352.723



14, 65.633, 122.723



14, 65.633, 172.723

Sweetspot

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



14, 65.634, 302.724



48, 22.012, 287.301



43, 32.116, 177.169



23, 15.309, 287.854



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



14, 65.634, 302.724



19, 82.264, 303.661



14, 70.462, 309.368



23, 3.372, 284.508



15, 69.773, 303.216



34, 123.091, 304.376

Inverse Universe

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



23, 51.735, 30.230



31, 64.436, 32.386



44, 57.144, 121.476



23, 2.798, 8.213



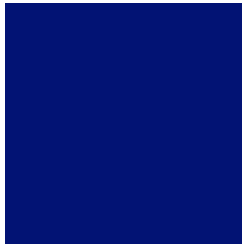
24, 54.890, 31.285



52, 95.909, 34.242

Previews

White Background



This preview shows how the CIELCh color 14, 65.633, 302.723 looks on a white background.

Color Contrast Check

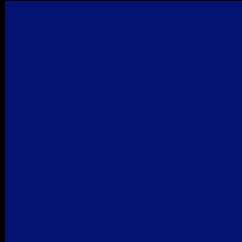
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.633, 302.723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

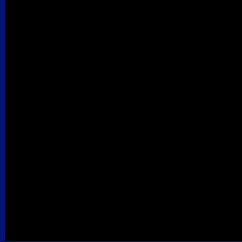
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 65.633, 302.723

Background



This preview shows how black text looks on a background with the CIELCh color 14, 65.633, 302.723.



This preview shows how white text looks on a background with the CIELCh color 14, 65.633, 302.723.

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, 65.545, 302.646

Protanopia

14, 29.424, 282.516

Deuteranopia

15, 20.202, 265.486



Tritanopia
15, 13.965, 202.420

Trichromacy



Original Color
14, 65.545, 302.646

Protanomaly
14, 42.996, 294.242

Deuteranomaly
14, 36.919, 290.458

Tritanomaly
13, 26.265, 280.315

Monochromacy



Original Color
14, 65.545, 302.646

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 25.860, 294.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 65.633, 302.723 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(2, 19, 116)` looks like.

```
.text, #text, p{  
    color:rgb(2, 19, 116)  
}
```

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(2, 19, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 19, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 65.633, 302.723 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(2, 19, 116) }
```

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

```
.border{ border-color:rgb(2, 19, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 19, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 19, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 19, 116);  
box-shadow:4px 4px 4px 4px rgb(2, 19, 116)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 65.633, 302.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 19, 116) }
```

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

```
.background{ background-color: rgb(2, 19,  
116) }
```

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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