

Converting Colors

CIELCh(14, 75.826, 307.937)

Have a look what the booklet for
CIELCh(14, 75.826, 307.937)
contains.

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Color

CIELCh(14, 75.575, 307.914)

Conversions

Conversions Part 1

Format	Color
Hex	1F017B
RGB	31, 1, 123
RGB Percent	12%, 0%, 48%
CMY	0.8796, 0.9968, 0.5184
CMYK	0.75, 0.99, 0.00, 0.52
HSL	255°, 99%, 24%
HSV	255°, 99%, 48%
XYZ	4.1277, 1.7298, 18.7895
YIQ	23.8780, -21.2820, 44.3020

Conversions

Conversions Part 2

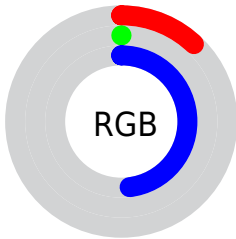
Format	Color
RYB	31, 1, 123
Decimal	2031995
CIELab	14.00, 46.44, -59.62
CIELCh	14, 75.575, 307.914
Yxy	1.7298, 0.1675, 0.0702
Android (android.graphics.Color)	4280222075 (0xFF1F017B)
YUV	23.8780, 48.8671, 6.2460
Hunter-Lab	13.1521, 33.0053, -75.4971

Details

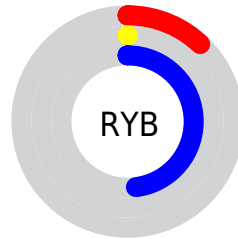
The CIELCh color **14, 75.575, 307.914** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **48, 58.251, 116.643**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **34, 75.656, 307.862**, and **4, 51.274, 304.193** is the 20% darker color. If you saturate the color by 10%, you get **14, 75.971, 307.968**, and if you desaturate by 10%, it is **16, 70.129, 307.397**.

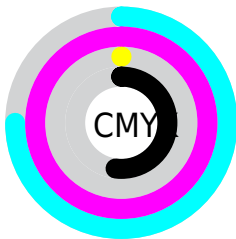
Distribution



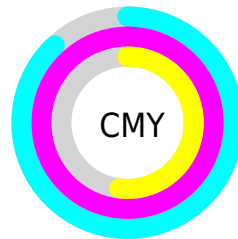
- Red (12%)
- Green (0%)
- Blue (48%)



- Red (12%)
- Yellow (0%)
- Blue (48%)



- Cyan (75%)
- Magenta (99%)
- Yellow (0%)
- Black (52%)





- Cyan (88%)
- Magenta (100%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 75.575, 307.914 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, 75.575, 307.914 by changing the saturation by 10% instead.

 14, 75.575,
307.914

 14, 75.575,
307.914


 100, 75.575,
307.914


 4, 75.575, 307.914


 34, 75.575,
307.914

 0, 75.575, 307.914

 44, 75.575,
307.914

 54, 75.575,
307.914


 64, 75.575,
307.914


 74, 75.575,
307.914


 84, 75.575,


307.914


 94, 75.575,
307.914


 14, 75.575,
307.914

 14, 75.575,
307.914


 14, 75.971,
307.968

 16, 70.129,
307.397

 19, 63.562,
306.737

 23, 55.762,
305.804

 27, 47.410,
304.759

 31, 38.933,
303.711

■ 35, 30.561,
302.721

■ 39, 22.405,
301.817

■ 43, 14.507,
301.010

■ 48, 6.879, 300.297

Harmonies

Complementary

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



14, 75.575, 307.914



48, 58.251, 116.643

Rectangle

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



14, 75.575, 307.914



14, 75.575, 357.914



14, 75.575, 127.914



14, 75.575, 177.914

Sweetspot

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



14, 75.576, 307.915



50, 28.625, 301.940



37, 25.937, 240.805



24, 19.801, 302.249



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



14, 75.576, 307.915



20, 92.621, 307.766



22, 68.965, 318.759



23, 4.142, 300.280



14, 76.940, 307.953



34, 130.277, 307.535

Inverse Universe

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



27, 56.001, 340.386



36, 67.929, 340.851



45, 67.076, 133.298



24, 4.156, 332.677



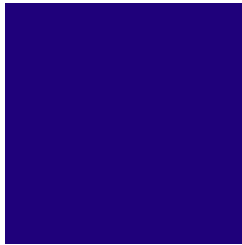
27, 56.793, 340.493



57, 94.748, 341.338

Previews

White Background



This preview shows how the CIELCh color 14, 75.575, 307.914 looks on a white background.

Color Contrast Check

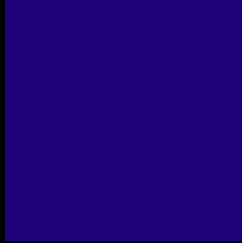
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.575, 307.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

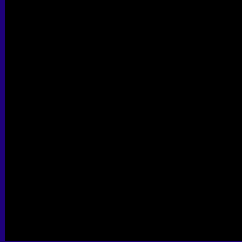
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 75.575, 307.914

Background



This preview shows how black text looks on a background with the CIELCh color 14, 75.575, 307.914.



This preview shows how white text looks on a background with the CIELCh color 14, 75.575, 307.914.

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, 75.575, 307.914

Protanopia

15, 29.953, 282.097

Deuteranopia

16, 20.819, 265.514



Tritanopia
15, 14.371, 202.208

Trichromacy



Original Color
14, 75.575, 307.914

Protanomaly
13, 50.383, 299.771

Deuteranomaly
13, 43.883, 297.494

Tritanomaly
12, 33.116, 292.393

Monochromacy



Original Color
14, 75.575, 307.914

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 32.569, 305.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 75.575, 307.914 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, 1, 123)` looks like.

```
.text, #text, p{  
    color:rgb(31, 1, 123)  
}
```

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, 1, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 1, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 75.575, 307.914 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, 1, 123) }
```

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

```
.border{ border-color:rgb(31, 1, 123) }
```

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

Here you see how a box with a 4 pixel rgb(31, 1, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 1, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 1, 123);  
box-shadow:4px 4px 4px 4px rgb(31, 1, 123)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 75.575, 307.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 1, 123) }
```

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

```
.background{ background-color: rgb(31, 1,  
123) }
```

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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