

Converting Colors

CIELCh(75, 42.746, 294.080)

Have a look what the booklet for
CIELCh(75, 42.746, 294.080)
contains.

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Color

CIELCh(75, 42.186, 294.014)

Conversions

Conversions Part 1

Format	Color
Hex	B1B1FF
RGB	177, 177, 255
RGB Percent	69%, 69%, 100%
CMY	0.3040, 0.3041, 0.0000
CMYK	0.30, 0.30, 0.00, 0.00
HSL	240°, 100%, 85%
HSV	240°, 30%, 100%
XYZ	52.1797, 48.2781, 101.5902
YIQ	185.8920, -25.0380, 24.2580

Conversions

Conversions Part 2

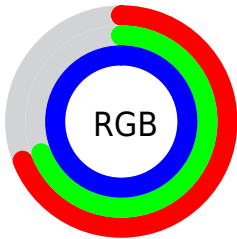
Format	Color
RYB	177, 177, 255
Decimal	11645439
CIELab	75.00, 17.17, -38.53
CIElCh	75, 42.186, 294.014
Yxy	48.2781, 0.2583, 0.2389
Android (android.graphics.Color)	4289835519 (0xFFB1B1FF)
YUV	185.8920, 34.0702, -7.7983
Hunter-Lab	69.4824, 12.4551, -38.0501

Details

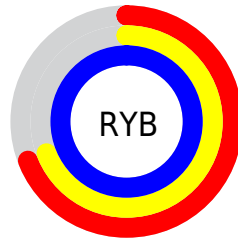
The CIELCh color `75, 42.186, 294.014` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `98, 38.893, 107.219`, and the grayscale version is `76, 0.009, 296.813`.

A 20% lighter version of the original color is `93, 11.378, 292.795`, and `55, 41.932, 293.740` is the 20% darker color. If you saturate the color by 10%, you get `67, 56.933, 295.709`, and if you desaturate by 10%, it is `83, 27.541, 292.525`.

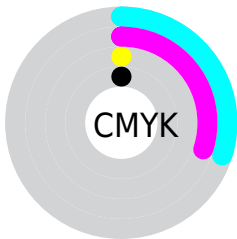
Distribution



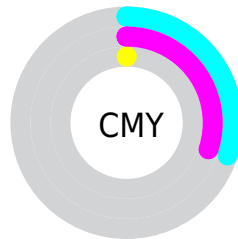
- Red (69%)
- Green (69%)
- Blue (100%)



- Red (69%)
- Yellow (69%)
- Blue (100%)



- Cyan (30%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (30%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 42.186, 294.014 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 75, 42.186, 294.014 by changing the saturation by 10% instead.


 75, 42.186,
294.014


 75, 42.186,
294.014


 100, 42.186,
294.014


 65, 42.186,
294.014


 95, 42.186,
294.014

 55, 42.186,
294.014

 45, 42.186,
294.014

 35, 42.186,
294.014

 25, 42.186,
294.014

 15, 42.186,
294.014

 5, 42.186, 294.014

■ 0, 42.186, 294.014

■ 75, 42.186,
294.014

■ 75, 42.186,
294.014

■ 67, 56.933,
295.709

■ 83, 27.541,
292.525

■ 59, 72.542,
297.679

■ 91, 13.762,
291.283

■ 51, 88.542,
299.853

■ 100, 0.541,
290.368

■ 44, 104.312,
302.090

■ 100, 0.012,
296.813

■ 38, 118.456,
304.118

■ 34, 128.763,
305.581

■ 32, 133.815,
306.288

Harmonies

Complementary

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



75, 42.186, 294.014



98, 38.893, 107.219

Rectangle

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



75, 42.186, 294.014



75, 42.186, 344.014



75, 42.186, 114.014



75, 42.186, 164.014

Sweetspot

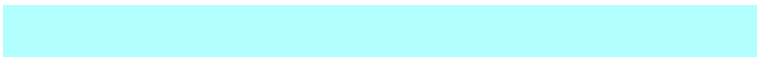
The Sweet Spot groups the original color and five complimentary colors.



75, 41.922, 293.992



93, 11.867, 291.125



95, 24.702, 197.894



48, 8.269, 291.288



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 41.922, 293.992



70, 50.237, 294.920



78, 43.612, 310.567



49, 7.504, 291.181



23, 107.780, 306.288



3, 44.127, 301.762

Inverse Universe

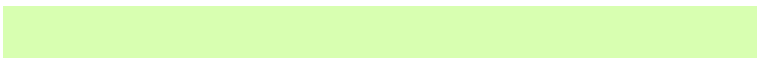
The Inverse Universe completely reimagines the original color for something new.



82, 48.528, 326.107



79, 57.213, 326.399



96, 41.773, 127.638



50, 9.056, 324.952



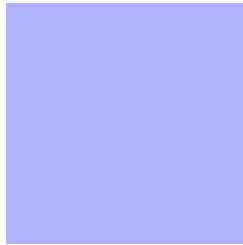
45, 93.068, 328.240



12, 42.817, 328.239

Previews

White Background



This preview shows how the CIELCh color 75, 42.186, 294.014 looks on a white background.

Color Contrast Check

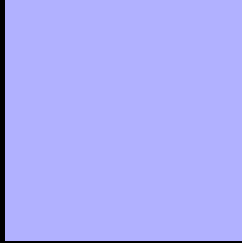
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 75, 42.186, 294.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

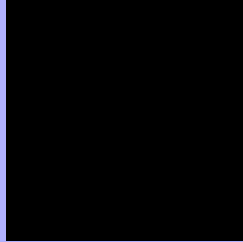
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 42.186, 294.014

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.186, 294.014.

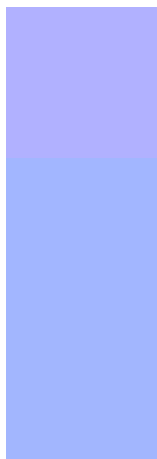


This preview shows how white text looks on a background with the CIELCh color 75, 42.186, 294.014.

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

75, 42.186, 294.014

Protanopia

75, 39.640, 285.066

Deuteranopia

75, 39.114, 284.879



Tritanopia
75, 10.964, 246.823

Trichromacy



Original Color
75, 42.186, 294.014

Protanomaly
75, 40.561, 288.732

Deuteranomaly
75, 40.028, 288.604

Tritanomaly
75, 20.915, 279.228

Monochromacy



Original Color
75, 42.186, 294.014

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 15.128, 291.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 42.186, 294.014 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(177, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 177, 255)  
}
```

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(177, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 177, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.186, 294.014 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(177, 177, 255) }
```

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

```
.border{ border-color:rgb(177, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 177,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.186, 294.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 177, 255) }
```

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

```
.background{ background-color: rgb(177,  
177, 255) }
```

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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