

Converting Colors

CIELCh(72, 46.347, 305.177)

Have a look what the booklet for
CIELCh(72, 46.347, 305.177)
contains.

CIELCh(72, 46.207, 305.007)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 46.207, 305.007)

Conversions

Conversions Part 1

Format	Color
Hex	BEA3F6
RGB	190, 163, 246
RGB Percent	75%, 64%, 96%
CMY	0.2559, 0.3617, 0.0363
CMYK	0.23, 0.34, 0.00, 0.04
HSL	260°, 82%, 80%
HSV	260°, 34%, 96%
XYZ	50.8186, 43.6590, 92.7233
YIQ	180.5350, -10.5510, 31.5370

Conversions

Conversions Part 2

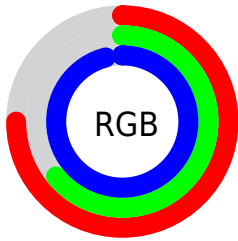
Format	Color
R _Y B	190, 163, 246
Decimal	12493814
CIE Lab	72.00, 26.51, -37.85
CIE LCh	72, 46.207, 305.007
Yxy	43.6590, 0.2715, 0.2332
Android (android.graphics.Color)	4290683894 (0xFFBEA3F6)
YUV	180.5350, 32.2742, 8.3008
Hunter-Lab	66.0750, 21.6541, -36.9494

Details

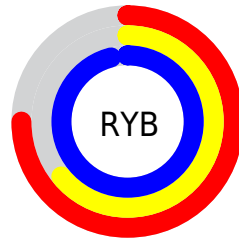
The CIELCh color $72, 46.207, 305.007$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $93, 43.201, 120.845$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 21.775, 318.955$, and $52, 46.047, 305.017$ is the 20% darker color. If you saturate the color by 10%, you get $65, 60.777, 305.837$, and if you desaturate by 10%, it is $79, 31.989, 304.243$.

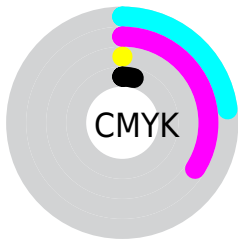
Distribution



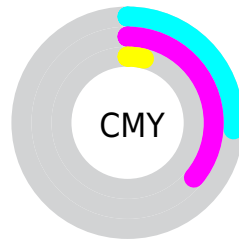
- Red (75%)
- Green (64%)
- Blue (96%)



- Red (75%)
- Yellow (64%)
- Blue (96%)



- Cyan (23%)
- Magenta (34%)
- Yellow (0%)
- Black (4%)





- Cyan (26%)
- Magenta (36%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 46.207, 305.007 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 72, 46.207, 305.007 by changing the saturation by 10% instead.


 72, 46.207,
305.007


 72, 46.207,
305.007


 100, 46.207,
305.007


 62, 46.207,
305.007


 92, 46.207,
305.007

 52, 46.207,
305.007

 42, 46.207,
305.007

 32, 46.207,
305.007

 22, 46.207,
305.007

 12, 46.207,
305.007

 2, 46.207, 305.007

■ 0, 46.207, 305.007

■ 72, 46.207,
305.007

■ 72, 46.207,
305.007

■ 65, 60.777,
305.837

■ 79, 31.989,
304.243

■ 58, 75.507,
306.705

■ 87, 18.212,
303.557

■ 51, 89.993,
307.551

■ 94, 4.903, 302.941

■ 45, 103.506,
308.274

■ 100, 4.687,
109.811

■ 40, 114.903,
308.720

■ 36, 122.819,
308.712

■ 35,125.978,
308.502

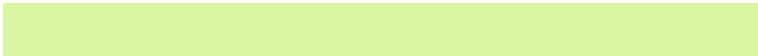
Harmonies

Complementary

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



72, 46.207, 305.007



93, 43.201, 120.845

Rectangle

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



72, 46.207, 305.007



72, 46.207, 355.007



72, 46.207, 125.007



72, 46.207, 175.007

Sweetspot

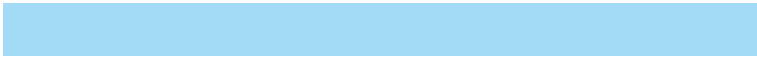
The Sweet Spot groups the original color and five complimentary colors.



72, 46.205, 305.007



92, 13.545, 303.319



85, 22.114, 237.461



48, 9.263, 303.407



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 46.205, 305.007



69, 58.453, 305.609



76, 49.972, 320.824



47, 7.441, 303.286



25, 102.061, 308.664



4, 40.933, 307.350

Inverse Universe

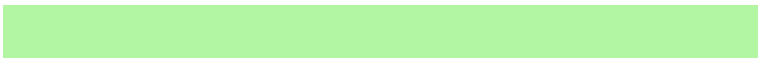
The Inverse Universe completely reimagines the original color for something new.



77, 41.840, 337.909



75, 52.051, 338.567



91, 49.300, 137.426



48, 6.972, 335.960



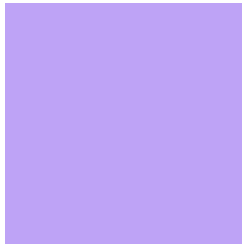
41, 71.735, 346.802



10, 32.770, 343.607

Previews

White Background



This preview shows how the CIELCh color 72, 46.207, 305.007 looks on a white background.

Color Contrast Check

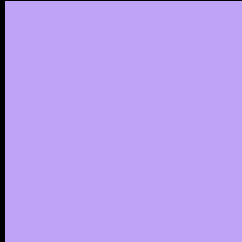
Large Text (above 18pt) WCAG AA × Fail

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 72, 46.207, 305.007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

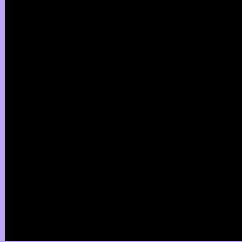
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 46.207, 305.007

Background



This preview shows how black text looks on a background with the CIELCh color 72, 46.207, 305.007.

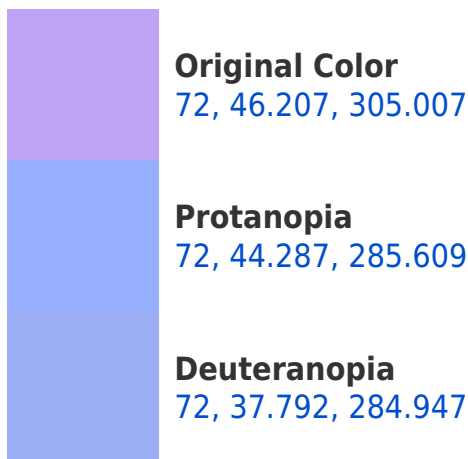



This preview shows how white text looks on a background with the CIELCh color 72, 46.207, 305.007.

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





Tritanopia
72, 7.878, 304.316

Trichromacy



Original Color
72, 46.207, 305.007

Protanomaly
72, 44.644, 292.422

Deuteranomaly
72, 40.327, 293.092

Tritanomaly
72, 21.846, 304.156

Monochromacy



Original Color
72, 46.207, 305.007

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 16.768, 303.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 46.207, 305.007 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(190, 163, 246)` looks like.

```
.text, #text, p{  
    color:rgb(190, 163, 246)  
}
```

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(190, 163, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 163, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 46.207, 305.007 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(190, 163, 246) }
```

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

```
.border{ border-color:rgb(190, 163, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 163, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 163, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 163, 246);  
box-shadow:4px 4px 4px 4px rgb(190, 163,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 46.207, 305.007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 163, 246) }
```

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

```
.background{ background-color: rgb(190,  
163, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor