

Converting Colors

CIELCh(90, 8.495, 305.225)

Have a look what the booklet for
CIELCh(90, 8.495, 305.225) contains.

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Color

CIELCh(90, 8.616, 304.924)

Conversions

Conversions Part 1

Format	Color
Hex	E6E0F0
RGB	230, 224, 240
RGB Percent	90%, 88%, 94%
CMY	0.0987, 0.1222, 0.0595
CMYK	0.04, 0.07, 0.00, 0.06
HSL	262°, 35%, 91%
HSV	262°, 7%, 94%
XYZ	74.8984, 76.3034, 93.0929
YIQ	227.6180, -1.5600, 6.2480

Conversions

Conversions Part 2

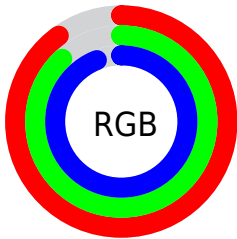
Format	Color
R_{YB}	230, 224, 240
Decimal	15130864
CIE _{Lab}	90.00, 4.93, -7.06
CIE _{LCh}	90, 8.616, 304.924
Yxy	76.3034, 0.3066, 0.3123
Android (android.graphics.Color)	4293320944 (0xFFE6E0F0)
YUV	227.6180, 6.1043, 2.0890
Hunter-Lab	87.3518, 0.1863, -2.0405

Details

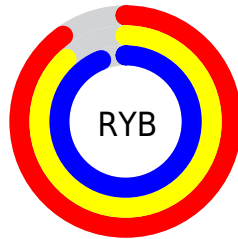
The CIELCh color `90, 8.616, 304.924` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `94, 8.501, 124.254`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 8.453, 303.491` is the 20% darker color. If you saturate the color by 10%, you get `83, 21.881, 305.500`, and if you desaturate by 10%, it is `97, 4.213, 124.441`.

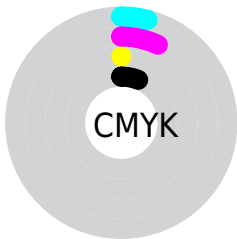
Distribution



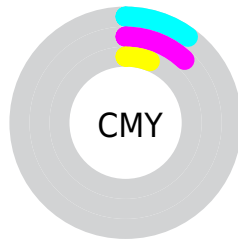
- Red (90%)
- Green (88%)
- Blue (94%)



- Red (90%)
- Yellow (88%)
- Blue (94%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (6%)



- Cyan (10%)
- Magenta (12%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 8.616, 304.924 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 90, 8.616, 304.924 by changing the saturation by 10% instead.

90, 8.616, 304.924

90, 8.616, 304.924

100, 8.616,
304.924

80, 8.616, 304.924

70, 8.616, 304.924

60, 8.616, 304.924

50, 8.616, 304.924

40, 8.616, 304.924

30, 8.616, 304.924

20, 8.616, 304.924

10, 8.616, 304.924

0, 8.616, 304.924

90, 8.616, 304.924

90, 8.616, 304.924

83, 21.881,
305.500

97, 4.213, 124.441

76, 35.575,
306.143

100, 7.674,
109.593

69, 49.643,
306.845

62, 63.955,
307.587

55, 78.249,
308.332

49, 92.037,
309.011

43, 104.506,
309.516

39, 114.510,
309.697

■ 36,120.914,
309.408

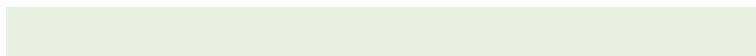
Harmonies

Complementary

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



90, 8.616, 304.924



94, 8.501, 124.254

Rectangle

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



90, 8.616, 304.924



90, 8.616, 354.924



90, 8.616, 124.924



90, 8.616, 174.924

Sweetspot

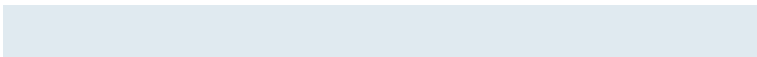
The Sweet Spot groups the original color and five complimentary colors.



90, 8.614, 304.919



99, 2.701, 304.650



92, 4.605, 240.597



53, 1.536, 304.644



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 8.614, 304.919



94, 10.882, 304.995



91, 9.687, 321.053



46, 7.368, 305.077



26, 100.067, 309.438



4, 39.106, 308.170

Inverse Universe

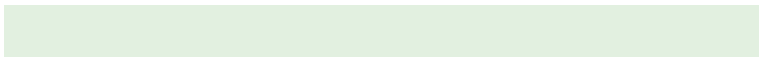
The Inverse Universe completely reimagines the original color for something new.



91, 7.747, 337.915



95, 9.779, 338.027



93, 9.649, 140.467



47, 6.615, 338.144



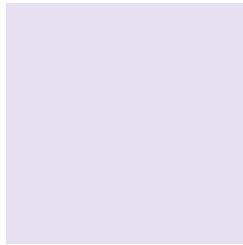
40, 69.104, 350.751



9, 31.047, 346.588

Previews

White Background



This preview shows how the CIELCh color 90, 8.616, 304.924 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 CIE LCh color 90, 8.616, 304.924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

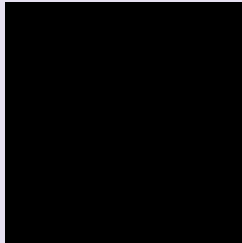
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

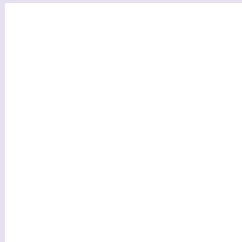
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 8.616, 304.924

Background



This preview shows how black text looks on a background with the CIELCh color 90, 8.616, 304.924.



This preview shows how white text looks on a background with the CIELCh color 90, 8.616, 304.924.

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

90, 8.616, 304.924

Protanopia

90, 8.337, 293.244

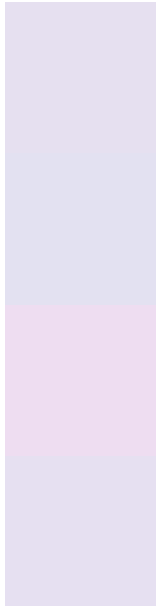
Deuteranopia

90, 13.455, 326.169



Tritanopia
90, 9.120, 304.147

Trichromacy



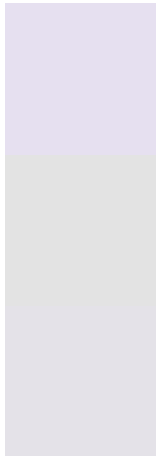
Original Color
90, 8.616, 304.924

Protanomaly
90, 8.363, 295.623

Deuteranomaly
90, 12.058, 320.648

Tritanomaly
90, 9.120, 304.147

Monochromacy



Original Color
90, 8.616, 304.924

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 3.214, 303.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 8.616, 304.924 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(230, 224, 240)` looks like.

```
.text, #text, p{  
    color:rgb(230, 224, 240)  
}
```

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(230, 224, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 224, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 8.616, 304.924 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(230, 224, 240) }
```

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

```
.border{ border-color:rgb(230, 224, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 224, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 224, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 224, 240);  
box-shadow:4px 4px 4px 4px rgb(230, 224,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 8.616, 304.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 224, 240) }
```

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

```
.background{ background-color: rgb(230,  
224, 240) }
```

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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