

Converting Colors

CIELCh(90, 2.359, 349.546)

Have a look what the booklet for
CIELCh(90, 2.359, 349.546) contains.

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Color

CIELCh(90, 2.401, 353.713)

Conversions

Conversions Part 1

Format	Color
Hex	E7E1E3
RGB	231, 225, 227
RGB Percent	91%, 88%, 89%
CMY	0.0945, 0.1180, 0.1102
CMYK	0.00, 0.03, 0.02, 0.09
HSL	340°, 11%, 89%
HSV	340°, 3%, 91%
XYZ	73.6665, 76.3034, 83.4405
YIQ	227.0220, 2.9340, 1.8940

Conversions

Conversions Part 2

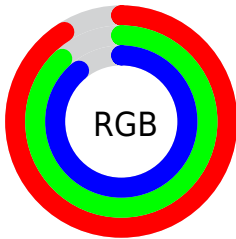
Format	Color
R_{YB}	231, 225, 227
Decimal	15196643
CIE Lab	90.00, 2.39, -0.26
CIE LCh	90, 2.401, 353.713
Yxy	76.3034, 0.3156, 0.3269
Android (android.graphics.Color)	4293386723 (0xFFE7E1E3)
YUV	227.0220, -0.0108, 3.4887
Hunter-Lab	87.3518, -2.3311, 4.5111

Details

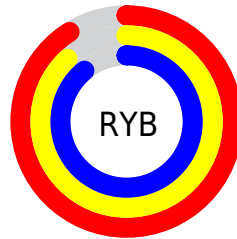
The CIELCh color $90, 2.401, 353.713$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $91, 2.372, 173.704$, and the grayscale version is $90, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $70, 2.194, 349.481$ is the 20% darker color. If you saturate the color by 10%, you get $84, 11.847, 354.895$, and if you desaturate by 10%, it is $96, 6.672, 173.170$.

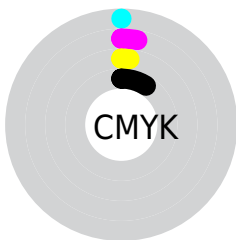
Distribution



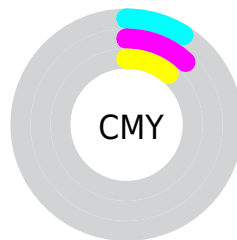
- Red (91%)
- Green (88%)
- Blue (89%)



- Red (91%)
- Yellow (88%)
- Blue (89%)



- Cyan (0%)
- Magenta (3%)
- Yellow (2%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 2.401, 353.713 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, 2.401, 353.713 by changing the saturation by 10% instead.

■ 90, 2.401, 353.713

■ 90, 2.401, 353.713

100, 2.401,
353.713

■ 80, 2.401, 353.713

■ 70, 2.401, 353.713

■ 60, 2.401, 353.713

■ 50, 2.401, 353.713

■ 40, 2.401, 353.713

■ 30, 2.401, 353.713

■ 20, 2.401, 353.713

■ 10, 2.401, 353.713

■ 0, 2.401, 353.713

90, 2.401, 353.713

90, 2.401, 353.713

84, 11.847,
354.895

96, 6.672, 173.170

78, 21.614,
356.042

98, 8.224, 198.966

72, 31.576,
357.368

67, 41.522,
358.946

62, 51.128, 0.871

57, 59.967, 3.271

54, 67.567, 6.308

51, 73.564, 10.164

50, 77.915, 14.961

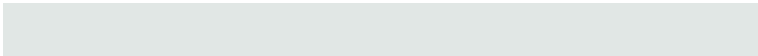
Harmonies

Complementary

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



90, 2.401, 353.713



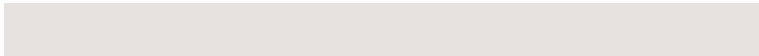
91, 2.372, 173.704

Rectangle

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



90, 2.401, 353.713



90, 2.401, 43.713



90, 2.401, 173.713



90, 2.401, 223.713

Sweetspot

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



90, 2.399, 353.741



99, 1.002, 353.254



90, 3.448, 314.721



53, 0.570, 353.221



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, 2.399, 353.741



98, 3.006, 353.810



90, 1.860, 35.342



47, 2.092, 353.919



38, 66.101, 17.930



7, 26.704, 6.599

Inverse Universe

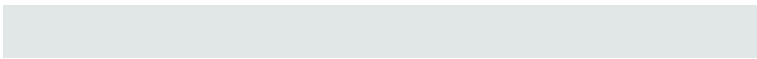
The Inverse Universe completely reimagines the original color for something new.



90, 2.399, 353.741



98, 3.006, 353.810



91, 1.834, 216.040



47, 2.092, 353.919



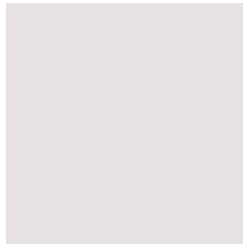
38, 66.101, 17.930



7, 26.704, 6.599

Previews

White Background



This preview shows how the CIELCh color 90, 2.401, 353.713 looks on a white background.

Color Contrast Check

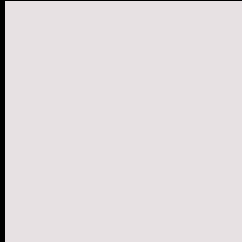
Large Text (above 18pt) WCAG AA × Fail

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, 2.401, 353.713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

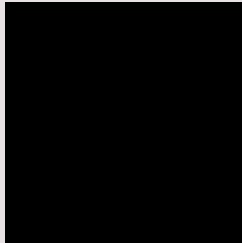
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

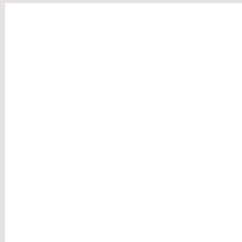
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 2.401, 353.713

Background



This preview shows how black text looks on a background with the CIELCh color 90, 2.401, 353.713.

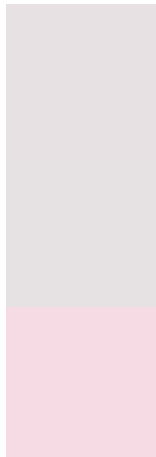


This preview shows how white text looks on a background with the CIELCh color 90, 2.401, 353.713.

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

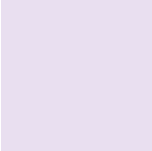
90, 2.401, 353.713

Protanopia

90, 2.084, 349.371

Deuteranopia

90, 11.169, 355.539



Tritanopia
90, 9.559, 312.370

Trichromacy



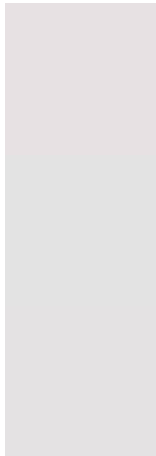
Original Color
90, 2.401, 353.713

Protanomaly
90, 2.084, 349.371

Deuteranomaly
90, 8.093, 353.301

Tritanomaly
90, 6.417, 316.754

Monochromacy



Original Color
90, 2.401, 353.713

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 0.895, 343.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 2.401, 353.713 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(231, 225, 227)` looks like.

```
.text, #text, p{  
    color:rgb(231, 225, 227)  
}
```

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(231, 225, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 225, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 2.401, 353.713 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(231, 225, 227) }
```

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

```
.border{ border-color:rgb(231, 225, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 225, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 225, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 225, 227);  
box-shadow:4px 4px 4px 4px rgb(231, 225,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 2.401, 353.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 225, 227) }
```

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

```
.background{ background-color: rgb(231,  
225, 227) }
```

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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