

Converting Colors

CIE LCh(91, 4.154, 320.070)

Have a look what the booklet for
CIELCh(91, 4.154, 320.070) contains.

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Color

CIELCh(91, 4.237, 320.571)

Conversions

Conversions Part 1

Format	Color
Hex	E9E3EA
RGB	233, 227, 234
RGB Percent	91%, 89%, 92%
CMY	0.0848, 0.1084, 0.0809
CMYK	0.00, 0.03, 0.00, 0.08
HSL	291°, 14%, 91%
HSV	291°, 3%, 92%
XYZ	76.1953, 78.4833, 89.2493
YIQ	229.5920, 1.3290, 3.4490

Conversions

Conversions Part 2

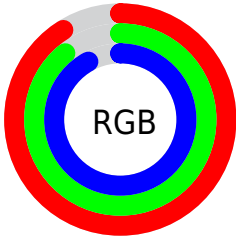
Format	Color
R_{YB}	233, 227, 234
Decimal	15328234
CIE Lab	91.00, 3.27, -2.69
CIE LCh	91, 4.237, 320.571
Yxy	78.4833, 0.3124, 0.3217
Android (android.graphics.Color)	4293518314 (0xFFE9E3EA)
YUV	229.5920, 2.1731, 2.9888
Hunter-Lab	88.5908, -1.5094, 2.2828

Details

The CIELCh color `91, 4.237, 320.571` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 4.211, 140.409`, and the grayscale version is `91, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `71, 3.796, 319.897` is the 20% darker color. If you saturate the color by 10%, you get `85, 18.549, 321.082`, and if you desaturate by 10%, it is `97, 9.804, 140.199`.

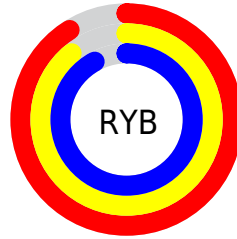
Distribution



Red (91%)

Green (89%)

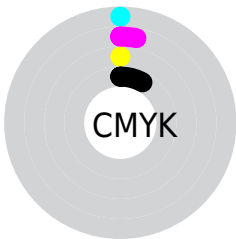
Blue (92%)



Red (91%)

Yellow (89%)

Blue (92%)

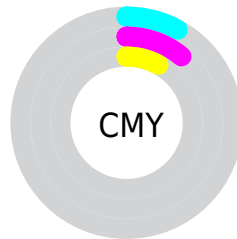


Cyan (0%)

Magenta (3%)

Yellow (0%)

Black (8%)



Cyan (8%)

Magenta (11%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 4.237, 320.571 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 91, 4.237, 320.571 by changing the saturation by 10% instead.

91, 4.237, 320.571

91, 4.237, 320.571

100, 4.237,
320.571

81, 4.237, 320.571

71, 4.237, 320.571

61, 4.237, 320.571

51, 4.237, 320.571

41, 4.237, 320.571

31, 4.237, 320.571

21, 4.237, 320.571

11, 4.237, 320.571

1, 4.237, 320.571

91, 4.237, 320.571

91, 4.237, 320.571

85, 18.549,
321.082

97, 9.804, 140.199

79, 33.010,
321.558

98, 11.798,
136.147

73, 47.412,
322.016

99, 11.292,
130.853

68, 61.443,
322.438

99, 10.893,
125.076

63, 74.669,
322.797

99, 10.613,
118.888

59, 86.530,
323.061

99, 10.466,
112.408

55, 96.392,
323.194

100, 10.445,
109.387

53, 103.671,
323.159

■ 51, 108.041,
322.932

Harmonies

Complementary

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



91, 4.237, 320.571



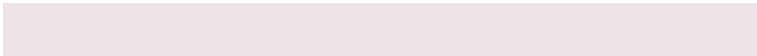
92, 4.211, 140.409

Rectangle

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



91, 4.237, 320.571



91, 4.237, 10.571



91, 4.237, 140.571



91, 4.237, 190.571

Sweetspot

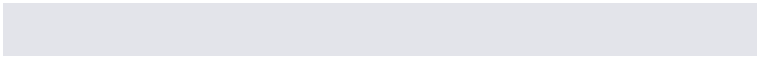
The Sweet Spot groups the original color and five complimentary colors.



91, 4.234, 320.569



99, 1.523, 320.360



91, 3.109, 283.624



53, 0.866, 320.349



0, 0.000, 0.000



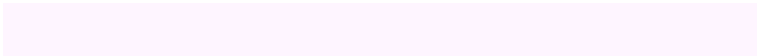
53, 0.007, 296.813

Same Dimension

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



91, 4.234, 320.569



97, 6.078, 320.632



91, 3.456, 336.477



48, 4.035, 320.672



38, 90.378, 322.763



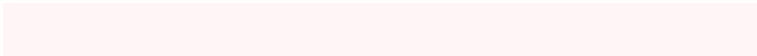
8, 38.579, 323.522

Inverse Universe

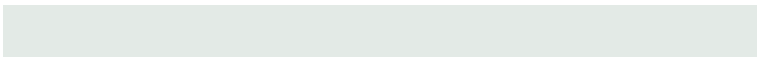
The Inverse Universe completely reimagines the original color for something new.



91, 2.567, 7.721



97, 3.693, 7.871



92, 3.434, 156.284



48, 2.456, 7.961



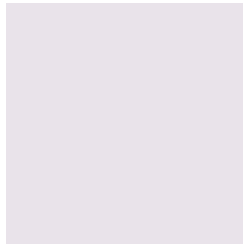
38, 74.568, 33.318



7, 28.031, 16.842

Previews

White Background



This preview shows how the CIE LCh color 91, 4.237, 320.571 looks on a white background.

Color Contrast Check

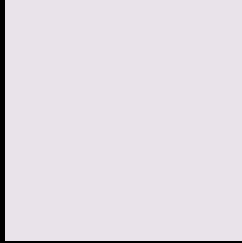
Large Text (above 18pt) WCAG AA × Fail

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 91, 4.237, 320.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

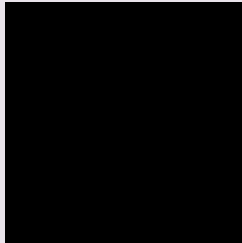
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

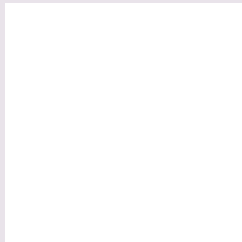
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 4.237, 320.571

Background



This preview shows how black text looks on a background with the CIELCh color 91, 4.237, 320.571.

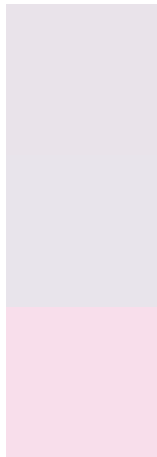


This preview shows how white text looks on a background with the CIELCh color 91, 4.237, 320.571.

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

91, 4.237, 320.571

Protanopia

91, 3.920, 311.608

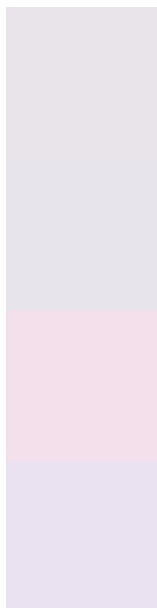
Deuteranopia

91, 11.520, 344.498



Tritanopia
91, 9.900, 309.384

Trichromacy



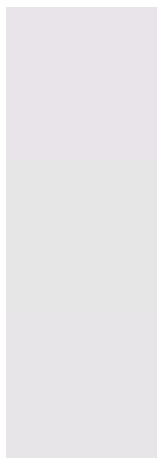
Original Color
91, 4.237, 320.571

Protanomaly
91, 3.920, 311.608

Deuteranomaly
91, 8.895, 340.186

Tritanomaly
91, 7.830, 311.749

Monochromacy



Original Color
91, 4.237, 320.571

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.726, 314.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 4.237, 320.571 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(233, 227, 234)` looks like.

```
.text, #text, p{  
    color:rgb(233, 227, 234)  
}
```

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(233, 227, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 227, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 4.237, 320.571 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(233, 227, 234) }
```

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

```
.border{ border-color:rgb(233, 227, 234) }
```

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

Here you see how a box with a 4 pixel rgb(233, 227, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 227, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 227, 234);  
box-shadow:4px 4px 4px 4px rgb(233, 227,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 4.237, 320.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 227, 234) }
```

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

```
.background{ background-color: rgb(233,  
227, 234) }
```

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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