

Converting Colors

CIELCh(90, 9.812, 326.518)

Have a look what the booklet for
CIELCh(90, 9.812, 326.518) contains.

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Color

CIELCh(90, 9.688, 326.514)

Conversions

Conversions Part 1

Format	Color
Hex	EEDEED
RGB	238, 222, 237
RGB Percent	93%, 87%, 93%
CMY	0.0679, 0.1306, 0.0718
CMYK	0.00, 0.07, 0.00, 0.07
HSL	304°, 32%, 90%
HSV	304°, 7%, 93%
XYZ	76.4402, 76.3034, 90.5864
YIQ	228.4940, 4.7210, 8.0570

Conversions

Conversions Part 2

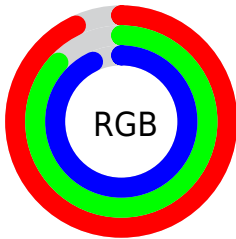
Format	Color
R _Y B	238, 222, 237
Decimal	15654637
CIE Lab	90.00, 8.08, -5.35
CIE LCh	90, 9.688, 326.514
Yxy	76.3034, 0.3141, 0.3136
Android (android.graphics.Color)	4293844717 (0xFFEEDDED)
YUV	228.4940, 4.1935, 8.3368
Hunter-Lab	87.3518, 3.3369, -0.3392

Details

The CIELCh color `90, 9.688, 326.514` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 9.664, 145.799`, 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 `70, 9.531, 326.719` is the 20% darker color. If you saturate the color by 10%, you get `84, 24.202, 327.105`, and if you desaturate by 10%, it is `96, 4.653, 146.051`.

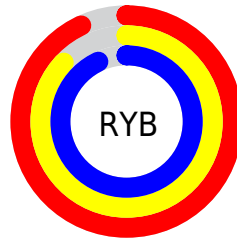
Distribution



Red (93%)

Green (87%)

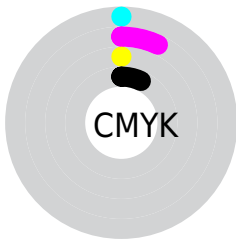
Blue (93%)



Red (93%)

Yellow (87%)

Blue (93%)

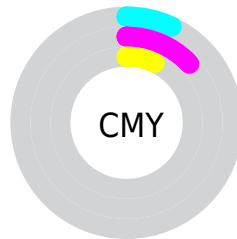


Cyan (0%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 9.688, 326.514 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, 9.688, 326.514 by changing the saturation by 10% instead.

 90, 9.688, 326.514

 90, 9.688, 326.514

 100, 9.688,
326.514

 80, 9.688, 326.514

 70, 9.688, 326.514

 60, 9.688, 326.514

 50, 9.688, 326.514

 40, 9.688, 326.514

 30, 9.688, 326.514

 20, 9.688, 326.514

 10, 9.688, 326.514

 0, 9.688, 326.514

90, 9.688, 326.514

90, 9.688, 326.514

84, 24.202,
327.105

96, 4.653, 146.051

79, 38.692,
327.682

98, 9.954, 147.321

98, 9.361, 150.126

73, 52.853,
328.246

98, 8.793, 153.294

69, 66.267,
328.786

99, 8.254, 156.882

99, 7.750, 160.945

65, 78.406,
329.291

99, 7.289, 165.541

61, 88.676,
329.751

99, 6.880, 170.713

99, 6.532, 176.481

58, 96.519,
330.159

57, 101.572,
330.516

■ 56,103.851,
330.833

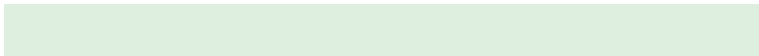
Harmonies

Complementary

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



90, 9.688, 326.514



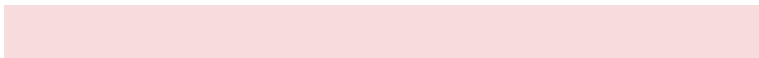
92, 9.664, 145.799

Rectangle

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



90, 9.688, 326.514



90, 9.688, 16.514



90, 9.688, 146.514



90, 9.688, 196.514

Sweetspot

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



90, 9.685, 326.514



99, 3.043, 326.172



89, 8.352, 292.776



53, 1.730, 326.161



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, 9.685, 326.514



95, 12.201, 326.594



90, 6.878, 346.950



47, 8.249, 326.680



43, 85.978, 330.885



10, 37.790, 330.495

Inverse Universe

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



90, 9.685, 326.514



95, 12.201, 326.594



93, 6.796, 165.927



47, 8.249, 326.680



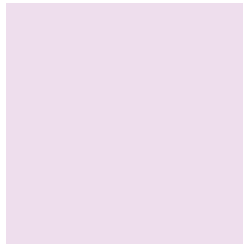
43, 85.978, 330.885



10, 37.790, 330.495

Previews

White Background



This preview shows how the CIELCh color 90, 9.688, 326.514 looks on a white background.

Color Contrast Check

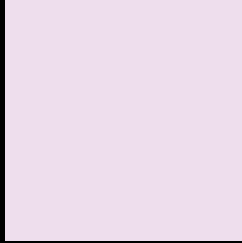
Large Text (above 18pt) WCAG AA × Fail

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, 9.688, 326.514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

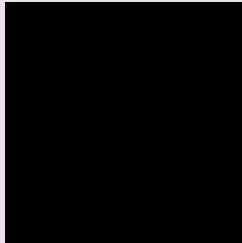
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

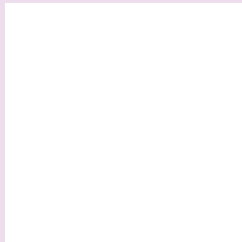
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 9.688, 326.514

Background



This preview shows how black text looks on a background with the CIELCh color 90, 9.688, 326.514.

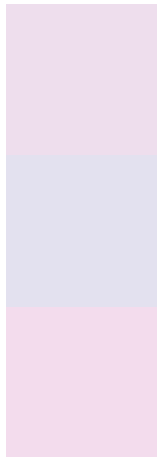


This preview shows how white text looks on a background with the CIELCh color 90, 9.688, 326.514.

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, 9.688, 326.514

Protanopia

90, 7.328, 296.237

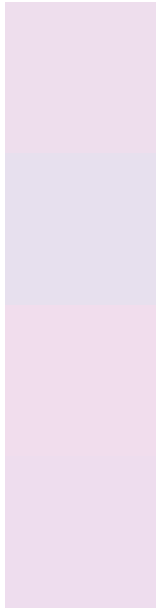
Deuteranopia

90, 12.084, 333.346



Tritanopia
90, 11.175, 323.310

Trichromacy



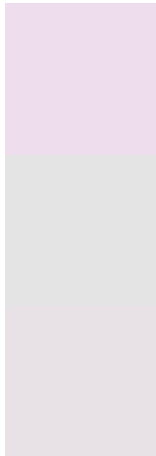
Original Color
90, 9.688, 326.514

Protanomaly
90, 7.721, 309.311

Deuteranomaly
90, 10.982, 331.014

Tritanomaly
90, 10.744, 324.808

Monochromacy



Original Color
90, 9.688, 326.514

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 3.388, 329.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 9.688, 326.514 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(238, 222, 237)` looks like.

```
.text, #text, p{  
    color:rgb(238, 222, 237)  
}
```

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(238, 222, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 222, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 9.688, 326.514 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(238, 222, 237) }
```

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

```
.border{ border-color:rgb(238, 222, 237) }
```

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

Here you see how a box with a 4 pixel rgb(238, 222, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 222, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 222, 237);  
box-shadow:4px 4px 4px 4px rgb(238, 222,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 9.688, 326.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 222, 237) }
```

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

```
.background{ background-color: rgb(238,  
222, 237) }
```

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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