

Converting Colors

CIELCh(90, 3.327, 120.008)

Have a look what the booklet for
CIELCh(90, 3.327, 120.008) contains.

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Color

CIELCh(90, 3.126, 116.517)

Conversions

Conversions Part 1

Format	Color
Hex	E2E3DD
RGB	226, 227, 221
RGB Percent	89%, 89%, 87%
CMY	0.1138, 0.1099, 0.1335
CMYK	0.00, 0.00, 0.03, 0.11
HSL	70°, 10%, 88%
HSV	70°, 3%, 89%
XYZ	71.8615, 76.3034, 79.3247
YIQ	226.0170, 1.3300, -2.0780

Conversions

Conversions Part 2

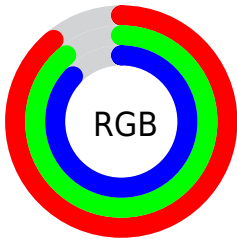
Format	Color
RYB	221, 227, 222
Decimal	14869469
CIELab	90.00, -1.40, 2.80
CIElCh	90, 3.126, 116.517
Yxy	76.3034, 0.3159, 0.3354
Android (android.graphics.Color)	4293059549 (0xFFE2E3DD)
YUV	226.0170, -2.4734, -0.0149
Hunter-Lab	87.3518, -6.0195, 7.3046

Details

The CIELCh color **90, 3.126, 116.517** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **88, 3.166, 296.919**, 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, 3.294, 116.461** is the 20% darker color. If you saturate the color by 10%, you get **89, 14.970, 115.816**, and if you desaturate by 10%, it is **91, 8.738, 297.241**.

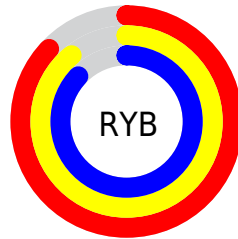
Distribution



Red (89%)

Green (89%)

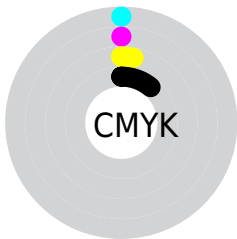
Blue (87%)



Red (87%)

Yellow (89%)

Blue (87%)

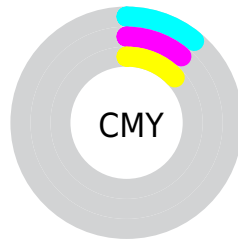


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 3.126, 116.517 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, 3.126, 116.517 by changing the saturation by 10% instead.

■ 90, 3.126, 116.517

■ 90, 3.126, 116.517

■ 100, 3.126,
116.517

■ 80, 3.126, 116.517

■ 70, 3.126, 116.517

■ 60, 3.126, 116.517

■ 50, 3.126, 116.517

■ 40, 3.126, 116.517

■ 30, 3.126, 116.517

■ 20, 3.126, 116.517

■ 10, 3.126, 116.517

■ 0, 3.126, 116.517

90, 3.126, 116.517

90, 3.126, 116.517

89, 14.970,
115.816

91, 8.738, 297.241

88, 26.720,
115.081

91, 14.748,
300.088

88, 38.281,
114.353

92, 15.012,
305.010

87, 49.502,
113.658

92, 15.382,
309.765

87, 60.157,
113.034

92, 15.851,
314.300

86, 69.906,
112.534

93, 16.413,
318.582

86, 78.279,
112.231

93, 17.061,
322.589

85, 84.721,
112.211

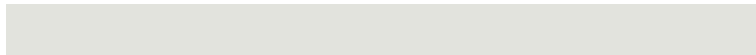
93, 17.522,
325.032

■ 85, 88.784,
112.551

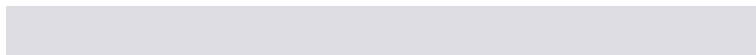
Harmonies

Complementary

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



90, 3.126, 116.517



88, 3.166, 296.919

Rectangle

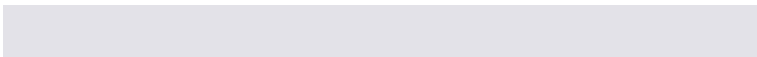
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



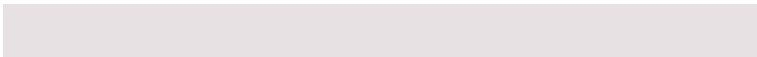
90, 3.126, 116.517



90, 3.126, 166.517



90, 3.126, 296.517



90, 3.126, 346.517

Sweetspot

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



90, 3.128, 116.539



100, 1.292, 116.656



89, 1.870, 35.348



53, 0.734, 116.659



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, 3.128, 116.539



100, 3.900, 116.513



90, 3.438, 134.616



48, 2.713, 116.458



68, 75.541, 112.855



20, 29.669, 112.805

Inverse Universe

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



88, 3.166, 296.919



98, 3.947, 296.947



89, 3.465, 314.724



47, 2.746, 297.004



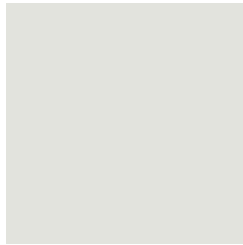
22, 101.213, 307.019



3, 34.028, 300.758

Previews

White Background



This preview shows how the CIE LCh color 90, 3.126, 116.517 looks on a white background.

Color Contrast Check

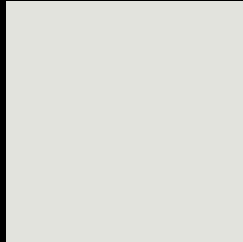
Large Text (above 18pt) WCAG AA × Fail

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, 3.126, 116.517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

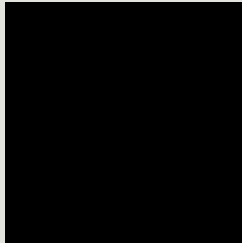
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

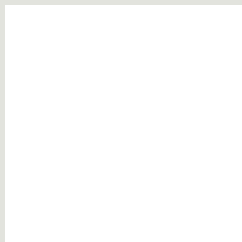
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 3.126, 116.517

Background



This preview shows how black text looks on a background with the CIELCh color 90, 3.126, 116.517.

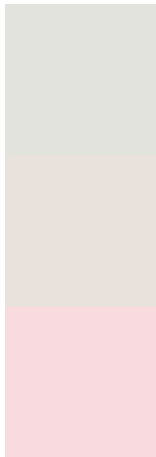


This preview shows how white text looks on a background with the CIELCh color 90, 3.126, 116.517.

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, 3.126, 116.517

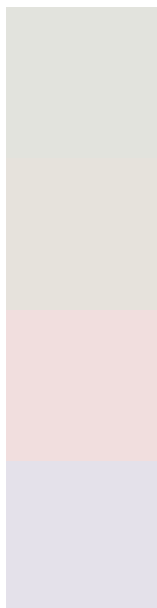
Protanopia
90, 3.606, 65.215

Deuteranopia
90, 11.155, 9.503



Tritanopia
90, 9.553, 301.416

Trichromacy



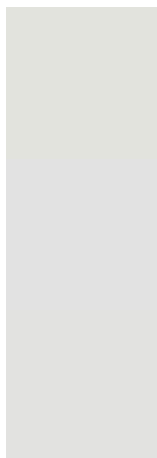
Original Color
90, 3.126, 116.517

Protanomaly
90, 3.410, 84.778

Deuteranomaly
90, 6.914, 19.811

Tritanomaly
90, 4.818, 303.243

Monochromacy



Original Color
90, 3.126, 116.517

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.027, 110.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 3.126, 116.517 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(226, 227, 221)` looks like.

```
.text, #text, p{  
    color:rgb(226, 227, 221)  
}
```

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(226, 227, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 227, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 3.126, 116.517 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(226, 227, 221) }
```

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

```
.border{ border-color:rgb(226, 227, 221) }
```

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

Here you see how a box with a 4 pixel rgb(226, 227, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 227, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 227, 221);  
box-shadow:4px 4px 4px 4px rgb(226, 227,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 3.126, 116.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 227, 221) }
```

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

```
.background{ background-color: rgb(226,  
227, 221) }
```

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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