

Converting Colors

CIELCh(90, 1.289, 160.168)

Have a look what the booklet for
CIELCh(90, 1.289, 160.168) contains.

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Color

CIELCh(90, 1.493, 155.831)

Conversions

Conversions Part 1

Format	Color
Hex	E0E3E1
RGB	224, 227, 225
RGB Percent	88%, 89%, 88%
CMY	0.1211, 0.1094, 0.1172
CMYK	0.01, 0.00, 0.01, 0.11
HSL	140°, 5%, 88%
HSV	140°, 1%, 89%
XYZ	71.8773, 76.3034, 82.2505
YIQ	225.8750, -1.1460, -1.2580

Conversions

Conversions Part 2

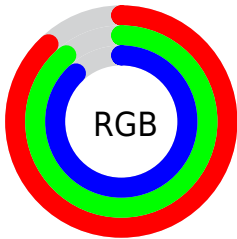
Format	Color
R_{YB}	224, 226, 227
Decimal	14738401
CIE Lab	90.00, -1.36, 0.61
CIE LCh	90, 1.493, 155.831
Yxy	76.3034, 0.3119, 0.3311
Android (android.graphics.Color)	4292928481 (0xFFE0E3E1)
YUV	225.8750, -0.4314, -1.6444
Hunter-Lab	87.3518, -5.9871, 5.3187

Details

The CIELCh color **90, 1.493, 155.831** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 1.513, 335.488**, 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, 1.575, 155.745** is the 20% darker color. If you saturate the color by 10%, you get **88, 12.931, 154.846**, and if you desaturate by 10%, it is **92, 9.794, 336.172**.

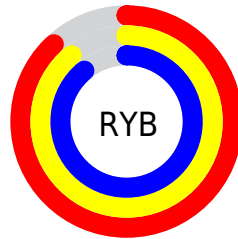
Distribution



Red (88%)

Green (89%)

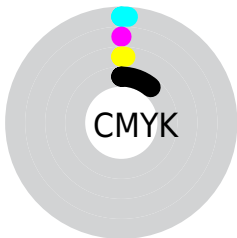
Blue (88%)



Red (88%)

Yellow (89%)

Blue (89%)

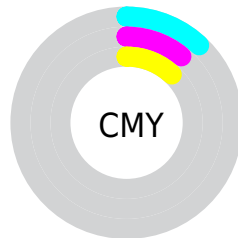


Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (11%)



Cyan (12%)

Magenta (11%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 1.493, 155.831 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, 1.493, 155.831 by changing the saturation by 10% instead.

■ 90, 1.493, 155.831

■ 90, 1.493, 155.831

■ 100, 1.493,
155.831

■ 80, 1.493, 155.831

■ 70, 1.493, 155.831

■ 60, 1.493, 155.831

■ 50, 1.493, 155.831

■ 40, 1.493, 155.831

■ 30, 1.493, 155.831

■ 20, 1.493, 155.831

■ 10, 1.493, 155.831

■ 0, 1.493, 155.831

90, 1.493, 155.831

90, 1.493, 155.831

88, 12.931,
154.846

92, 9.794, 336.172

86, 24.398,
153.988

93, 17.435,
325.029

85, 35.750,
153.015


83, 46.805,
151.901

82, 57.357,
150.620

81, 67.192,
149.155

80, 76.107,
147.494

80, 83.942,
145.647

 80, 90.601,
143.651

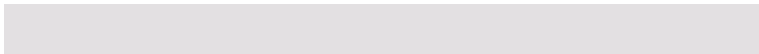
Harmonies

Complementary

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



90, 1.493, 155.831



89, 1.513, 335.488

Rectangle

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



90, 1.493, 155.831



90, 1.493, 205.831



90, 1.493, 335.831



90, 1.493, 25.831

Sweetspot

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



90, 1.495, 155.814

100, 0.012, 296.813



90, 1.588, 122.392



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



90, 1.495, 155.814



100, 2.490, 155.677



90, 1.107, 184.926



48, 1.298, 155.696



64, 79.112, 142.253



17, 30.416, 146.211

Inverse Universe

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



89, 1.513, 335.488



99, 2.510, 335.622



89, 1.120, 4.143



48, 1.309, 335.603



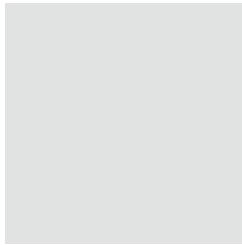
39, 69.259, 347.321



7, 29.937, 343.515

Previews

White Background



This preview shows how the CIE LCh color 90, 1.493, 155.831 looks on a white background.

Color Contrast Check

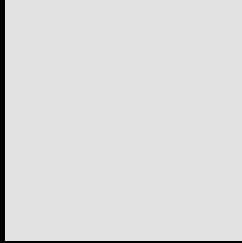
Large Text (above 18pt) WCAG AA × Fail

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, 1.493, 155.831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

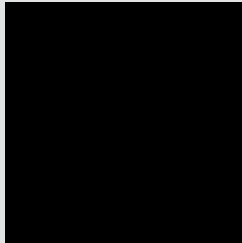
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

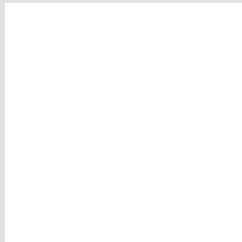
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 1.493, 155.831

Background



This preview shows how black text looks on a background with the CIELCh color 90, 1.493, 155.831.

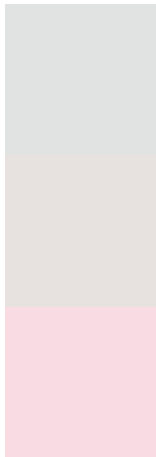


This preview shows how white text looks on a background with the CIELCh color 90, 1.493, 155.831.

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

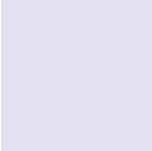
90, 1.493, 155.831

Protanopia

90, 2.213, 32.813

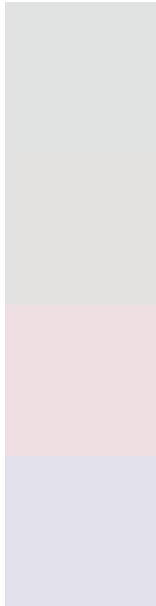
Deuteranopia

90, 11.315, 358.749



Tritanopia
90, 9.443, 297.265

Trichromacy



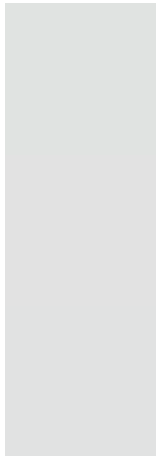
Original Color
90, 1.493, 155.831

Protanomaly
90, 1.247, 74.883

Deuteranomaly
90, 6.493, 1.181

Tritanomaly
90, 5.742, 294.152

Monochromacy



Original Color
90, 1.493, 155.831

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 0.355, 201.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 1.493, 155.831 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(224, 227, 225)` looks like.

```
.text, #text, p{  
    color:rgb(224, 227, 225)  
}
```

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(224, 227, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 227, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 1.493, 155.831 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(224, 227, 225) }
```

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

```
.border{ border-color:rgb(224, 227, 225) }
```

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

Here you see how a box with a 4 pixel rgb(224, 227, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 227, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 227, 225);  
box-shadow:4px 4px 4px 4px rgb(224, 227,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 1.493, 155.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 227, 225) }
```

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

```
.background{ background-color: rgb(224,  
227, 225) }
```

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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