

Converting Colors

CIELCh(90, 0.632, 255.960)

Have a look what the booklet for
CIELCh(90, 0.632, 255.960) contains.

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Color

CIELCh(90, 0.633, 256.163)

Conversions

Conversions Part 1

Format	Color
Hex	E1E2E3
RGB	225, 226, 227
RGB Percent	88%, 89%, 89%
CMY	0.1158, 0.1119, 0.1080
CMYK	0.01, 0.00, 0.00, 0.11
HSL	210°, 4%, 89%
HSV	210°, 1%, 89%
XYZ	72.4520, 76.3034, 83.9224
YIQ	225.8150, -0.9170, 0.0990

Conversions

Conversions Part 2

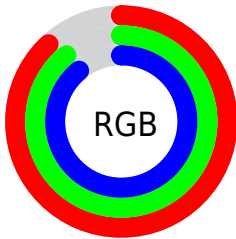
Format	Color
R_{YB}	225, 226, 227
Decimal	14803683
CIE Lab	90.00, -0.15, -0.61
CIE LCh	90, 0.633, 256.163
Yxy	76.3034, 0.3114, 0.3279
Android (android.graphics.Color)	4292993763 (0xFFE1E2E3)
YUV	225.8150, 0.5842, -0.7148
Hunter-Lab	87.3518, -4.8128, 4.1839

Details

The CIELCh color $90, 0.633, 256.163$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $90, 0.618, 74.447$, 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 $70, 0.665, 256.050$ is the 20% darker color. If you saturate the color by 10%, you get $85, 7.700, 256.699$, and if you desaturate by 10%, it is $95, 6.483, 74.123$.

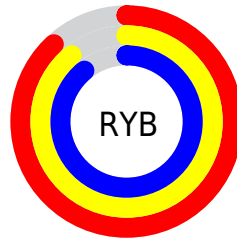
Distribution



Red (88%)

Green (89%)

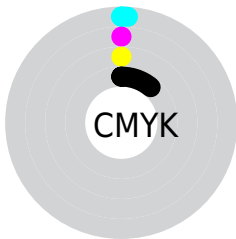
Blue (89%)



Red (88%)

Yellow (89%)

Blue (89%)

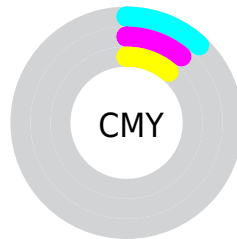


Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (12%)

Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 0.633, 256.163 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, 0.633, 256.163 by changing the saturation by 10% instead.

■ 90, 0.633, 256.163

■ 90, 0.633, 256.163

100, 0.633,
256.163

■ 80, 0.633, 256.163

■ 70, 0.633, 256.163

■ 60, 0.633, 256.163

■ 50, 0.633, 256.163

■ 40, 0.633, 256.163

■ 30, 0.633, 256.163

■ 20, 0.633, 256.163

■ 10, 0.633, 256.163

■ 0, 0.633, 256.163

90, 0.633, 256.163

90, 0.633, 256.163

85, 7.700, 256.699

95, 6.483, 74.123

81, 14.694,
258.251

98, 11.201, 98.339

76, 21.584,
260.121

99, 13.930,
109.125

72, 28.346,
262.355

68, 34.968,
265.016

64, 41.459,
268.154

60, 47.862,
271.797

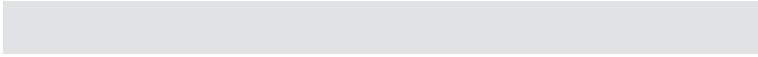
56, 54.259,
275.913

■ 52, 60.760,
280.391

Harmonies

Complementary

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



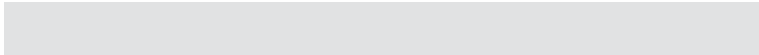
90, 0.633, 256.163



90, 0.618, 74.447

Rectangle

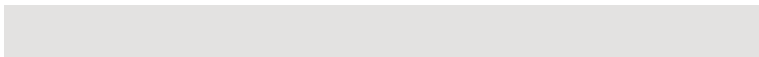
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 0.633, 256.163



90, 0.633, 306.163



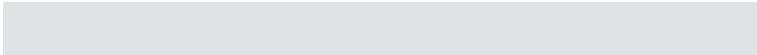
90, 0.633, 76.163



90, 0.633, 126.163

Sweetspot

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



90, 0.632, 255.959

100, 0.012, 296.813



90, 0.890, 163.188



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

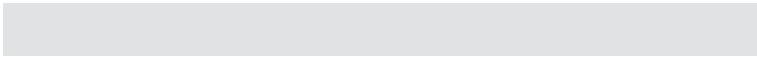
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 0.632, 255.959



99, 0.787, 255.894



90, 1.032, 289.671



48, 0.411, 255.922



39, 54.913, 283.759



9, 19.715, 275.059

Inverse Universe

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



90, 0.897, 343.122



99, 1.118, 343.195



90, 1.009, 109.348



48, 0.583, 343.163



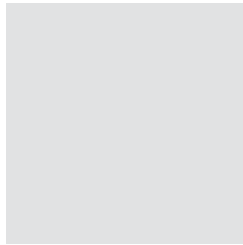
38, 64.880, 1.700



7, 27.631, 354.787

Previews

White Background



This preview shows how the CIE LCh color 90, 0.633, 256.163 looks on a white background.

Color Contrast Check

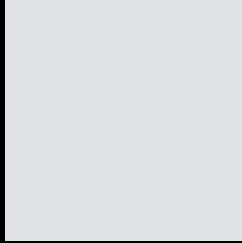
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 90, 0.633, 256.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

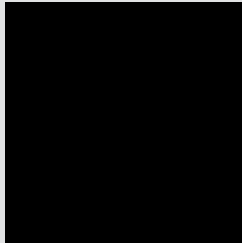
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

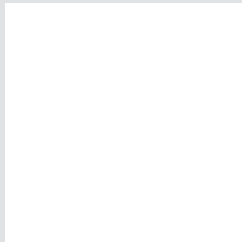
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 0.633, 256.163

Background



This preview shows how black text looks on a background with the CIELCh color 90, 0.633, 256.163.

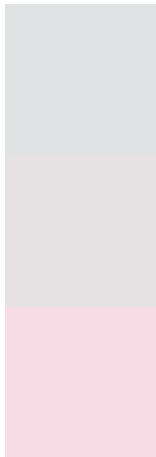


This preview shows how white text looks on a background with the CIELCh color 90, 0.633, 256.163.

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

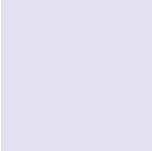
90, 0.633, 256.163

Protanopia

90, 2.084, 349.371

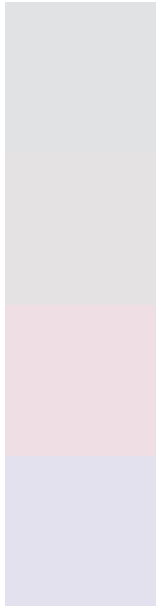
Deuteranopia

90, 11.384, 353.156



Tritanopia
90, 9.492, 299.350

Trichromacy



Original Color

90, 0.633, 256.163

Protanomaly

90, 0.895, 343.223

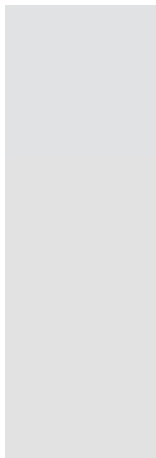
Deuteranomaly

90, 6.887, 352.982

Tritanomaly

90, 6.295, 297.079

Monochromacy



Original Color

90, 0.633, 256.163

Achromatopsia

90, 0.011, 296.813

Achromatomaly

90, 0.530, 290.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 0.633, 256.163 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(225, 226, 227)` looks like.

```
.text, #text, p{  
    color:rgb(225, 226, 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(225, 226, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 226, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 0.633, 256.163 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(225, 226, 227) }
```

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

```
.border{ border-color:rgb(225, 226, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 226, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 226, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 226, 227);  
box-shadow:4px 4px 4px 4px rgb(225, 226,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 0.633, 256.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 226, 227) }
```

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

```
.background{ background-color: rgb(225,  
226, 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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