

Converting Colors

CIELCh(90, 6.137, 271.835)

Have a look what the booklet for
CIELCh(90, 6.137, 271.835) contains.

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Color

CIELCh(90, 6.051, 270.503)

Conversions

Conversions Part 1

Format	Color
Hex	DDE3EE
RGB	221, 227, 238
RGB Percent	87%, 89%, 93%
CMY	0.1342, 0.1107, 0.0676
CMYK	0.07, 0.05, 0.00, 0.07
HSL	219°, 33%, 90%
HSV	219°, 7%, 93%
XYZ	72.5493, 76.3034, 91.6096
YIQ	226.4600, -7.1070, 2.1490

Conversions

Conversions Part 2

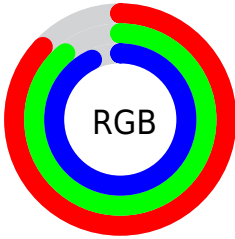
Format	Color
R _Y B	221, 225, 238
Decimal	14541806
CIE Lab	90.00, 0.05, -6.05
CIE LCh	90, 6.051, 270.503
Yxy	76.3034, 0.3017, 0.3173
Android (android.graphics.Color)	4292731886 (0xFFDDE3EE)
YUV	226.4600, 5.6892, -4.7884
Hunter-Lab	87.3518, -4.6139, -1.0337

Details

The CIELCh color `90, 6.051, 270.503` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 6.052, 88.565`, 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, 5.855, 268.839` is the 20% darker color. If you saturate the color by 10%, you get `84, 14.597, 271.947`, and if you desaturate by 10%, it is `96, 2.383, 89.039`.

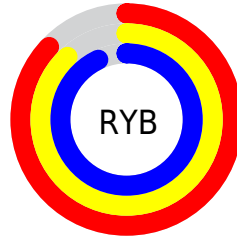
Distribution



Red (87%)

Green (89%)

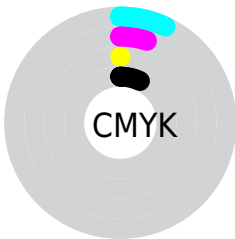
Blue (93%)



Red (87%)

Yellow (88%)

Blue (93%)

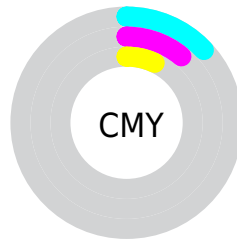


Cyan (7%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 6.051, 270.503 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, 6.051, 270.503 by changing the saturation by 10% instead.

■ 90, 6.051, 270.503

■ 90, 6.051, 270.503

■ 100, 6.051,
270.503

■ 80, 6.051, 270.503

■ 70, 6.051, 270.503

■ 60, 6.051, 270.503

■ 50, 6.051, 270.503

■ 40, 6.051, 270.503

■ 30, 6.051, 270.503

■ 20, 6.051, 270.503

■ 10, 6.051, 270.503

■ 0, 6.051, 270.503

90, 6.051, 270.503

90, 6.051, 270.503

84, 14.597,
271.947

96, 2.383, 89.039

79, 23.259,
273.682

100, 8.725,
109.515

73, 32.041,
275.722

68, 40.958,
278.111

62, 50.041,
280.885

57, 59.333,
284.051

52, 68.877,
287.566

47, 78.664,
291.309

■ 43, 88.559,
295.066

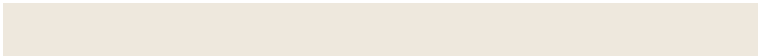
Harmonies

Complementary

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



90, 6.051, 270.503



92, 6.052, 88.565

Rectangle

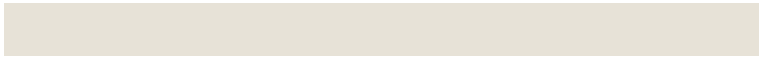
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 6.051, 270.503



90, 6.051, 320.503



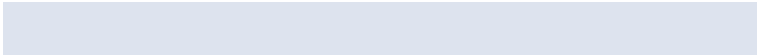
90, 6.051, 90.503



90, 6.051, 140.503

Sweetspot

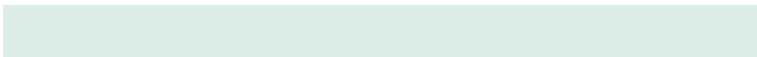
The Sweet Spot groups the original color and five complimentary colors.



90, 6.050, 270.486



99, 1.793, 269.929



93, 6.830, 170.937



53, 1.019, 269.925



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, 6.050, 270.486



95, 8.069, 270.739



89, 8.920, 295.982



47, 4.846, 270.801



32, 73.979, 295.438



7, 27.400, 288.853

Inverse Universe

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



90, 6.893, 352.971



94, 9.216, 353.172



93, 8.767, 114.862



47, 5.538, 353.219



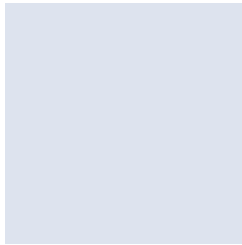
39, 67.046, 16.147



8, 28.761, 6.858

Previews

White Background



This preview shows how the CIELCh color 90, 6.051, 270.503 looks on a white background.

Color Contrast Check

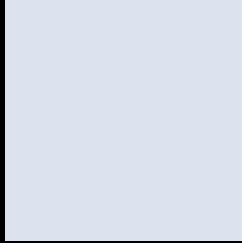
Large Text (above 18pt) WCAG AA × Fail

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, 6.051, 270.503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

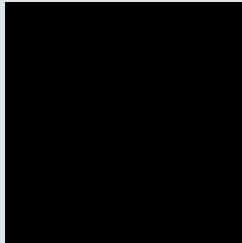
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

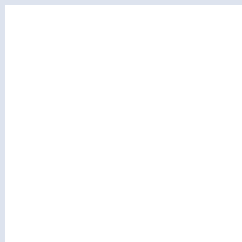
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 6.051, 270.503

Background



This preview shows how black text looks on a background with the CIELCh color 90, 6.051, 270.503.

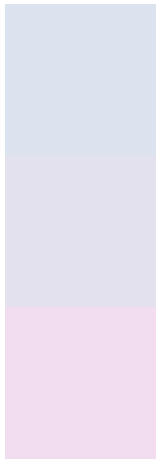


This preview shows how white text looks on a background with the CIELCh color 90, 6.051, 270.503.

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

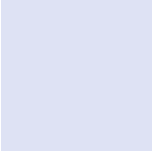
90, 6.051, 270.503

Protanopia

90, 6.295, 297.079

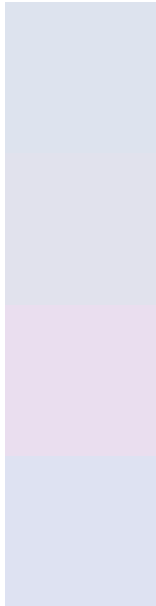
Deuteranopia

90, 12.632, 328.917



Tritanopia
90, 9.434, 282.559

Trichromacy



Original Color
90, 6.051, 270.503

Protanomaly
90, 5.727, 287.155

Deuteranomaly
90, 9.851, 316.197

Tritanomaly
90, 8.409, 281.410

Monochromacy



Original Color
90, 6.051, 270.503

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 2.193, 271.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 6.051, 270.503 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(221, 227, 238)` looks like.

```
.text, #text, p{  
    color:rgb(221, 227, 238)  
}
```

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(221, 227, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 227, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 6.051, 270.503 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(221, 227, 238) }
```

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

```
.border{ border-color:rgb(221, 227, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 227, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 227, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 227, 238);  
box-shadow:4px 4px 4px 4px rgb(221, 227,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 6.051, 270.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 227, 238) }
```

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

```
.background{ background-color: rgb(221,  
227, 238) }
```

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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