

Converting Colors

CIELCh(90, 5.961, 267.181)

Have a look what the booklet for
CIELCh(90, 5.961, 267.181) contains.

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Color

CIELCh(90, 6.172, 267.474)

Conversions

Conversions Part 1

Format	Color
Hex	DCE3EE
RGB	220, 227, 238
RGB Percent	86%, 89%, 93%
CMY	0.1374, 0.1099, 0.0668
CMYK	0.08, 0.05, 0.00, 0.07
HSL	217°, 35%, 90%
HSV	217°, 8%, 93%
XYZ	72.3946, 76.3034, 91.7774
YIQ	226.1610, -7.7030, 1.9370

Conversions

Conversions Part 2

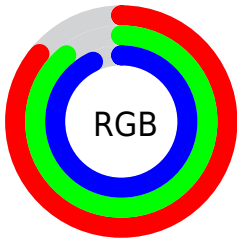
Format	Color
R _Y B	220, 225, 238
Decimal	14476270
CIE Lab	90.00, -0.27, -6.17
CIE LCh	90, 6.172, 267.474
Yxy	76.3034, 0.3010, 0.3173
Android (android.graphics.Color)	4292666350 (0xFFDCE3EE)
YUV	226.1610, 5.8366, -5.4032
Hunter-Lab	87.3518, -4.9301, -1.1476

Details

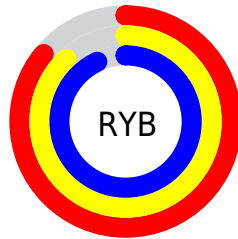
The CIELCh color `90, 6.172, 267.474` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 6.197, 85.397`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 5.991, 265.611` is the 20% darker color. If you saturate the color by 10%, you get `85, 14.379, 268.945`, and if you desaturate by 10%, it is `95, 1.966, 85.942`.

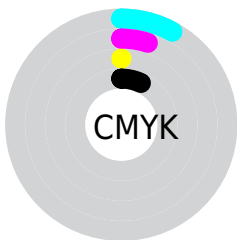
Distribution



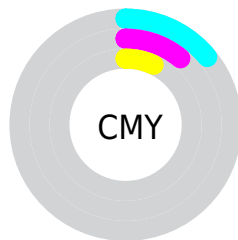
- Red (86%)
- Green (89%)
- Blue (93%)



- Red (86%)
- Yellow (88%)
- Blue (93%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (14%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 6.172, 267.474 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, 6.172, 267.474 by changing the saturation by 10% instead.

■ 90, 6.172, 267.474

■ 90, 6.172, 267.474

■ 100, 6.172,
267.474

■ 80, 6.172, 267.474

■ 70, 6.172, 267.474

■ 60, 6.172, 267.474

■ 50, 6.172, 267.474

■ 40, 6.172, 267.474

■ 30, 6.172, 267.474

■ 20, 6.172, 267.474

■ 10, 6.172, 267.474

■ 0, 6.172, 267.474

90, 6.172, 267.474

90, 6.172, 267.474

85, 14.379,
268.945

95, 1.966, 85.942

79, 22.651,
270.718

100, 8.620,
109.523

74, 30.985,
272.808

69, 39.392,
275.262

63, 47.896,
278.118

58, 56.544,
281.390

54, 65.392,
285.041

49, 74.474,
288.954

■ 45, 83.739,
292.916

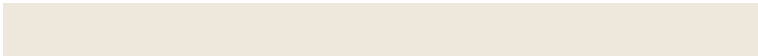
Harmonies

Complementary

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



90, 6.172, 267.474



92, 6.197, 85.397

Rectangle

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



90, 6.172, 267.474



90, 6.172, 317.474



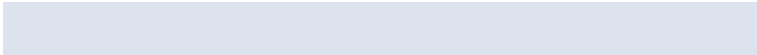
90, 6.172, 87.474



90, 6.172, 137.474

Sweetspot

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



90, 6.171, 267.457



99, 1.729, 266.854



93, 7.391, 168.807



53, 0.983, 266.851



0, 0.000, 0.000



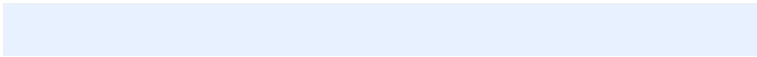
53, 0.007, 296.813

Same Dimension

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



90, 6.171, 267.457



95, 7.769, 267.657



88, 9.433, 294.755



47, 4.665, 267.719



34, 69.583, 293.151



8, 25.919, 286.476

Inverse Universe

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



89, 7.459, 350.713



94, 9.410, 350.865



94, 9.262, 113.491



47, 5.654, 350.911



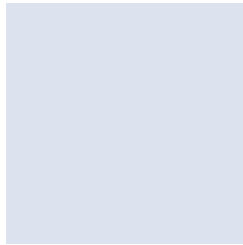
39, 66.401, 12.702



8, 28.812, 4.282

Previews

White Background



This preview shows how the CIELCh color 90, 6.172, 267.474 looks on a white background.

Color Contrast Check

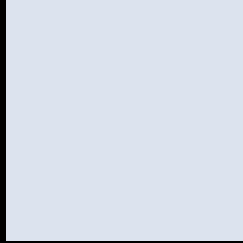
Large Text (above 18pt) WCAG AA × Fail

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, 6.172, 267.474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

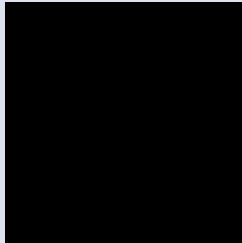
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

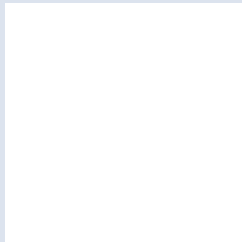
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 6.172, 267.474

Background



This preview shows how black text looks on a background with the CIELCh color 90, 6.172, 267.474.

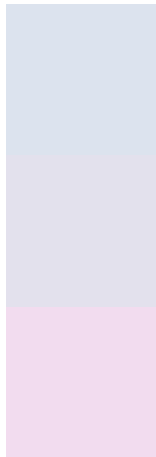


This preview shows how white text looks on a background with the CIELCh color 90, 6.172, 267.474.

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

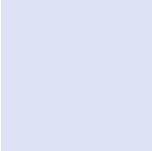
90, 6.172, 267.474

Protanopia

90, 6.295, 297.079

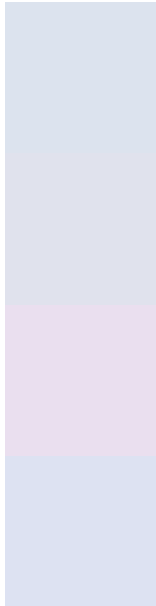
Deuteranopia

90, 12.632, 328.917



Tritanopia
90, 9.483, 280.509

Trichromacy



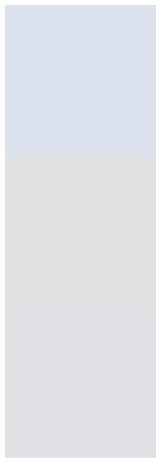
Original Color
90, 6.172, 267.474

Protanomaly
90, 5.753, 283.683

Deuteranomaly
90, 9.223, 315.594

Tritanomaly
90, 8.465, 279.111

Monochromacy



Original Color
90, 6.172, 267.474

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, 6.172, 267.474 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(220, 227, 238)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 227, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 227, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 6.172, 267.474 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(220, 227, 238) }
```

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

```
.border{ border-color:rgb(220, 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(220, 227, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 227, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 227, 238);  
box-shadow:4px 4px 4px 4px rgb(220, 227,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 6.172, 267.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 227, 238) }
```

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

```
.background{ background-color: rgb(220,  
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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