

Converting Colors

CIELCh(91, 4.698, 236.413)

Have a look what the booklet for
CIELCh(91, 4.698, 236.413) contains.

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Color

CIELCh(91, 4.589, 233.761)

Conversions

Conversions Part 1

Format	Color
Hex	DCE7EC
RGB	220, 231, 236
RGB Percent	86%, 91%, 93%
CMY	0.1369, 0.0938, 0.0742
CMYK	0.07, 0.02, 0.00, 0.07
HSL	199°, 30%, 89%
HSV	199°, 7%, 93%
XYZ	73.2875, 78.4833, 90.7024
YIQ	228.2810, -8.1610, -0.7770

Conversions

Conversions Part 2

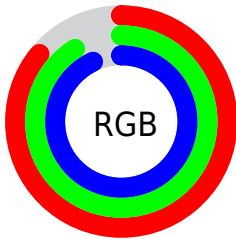
Format	Color
R _Y B	220, 227, 236
Decimal	14477292
CIE Lab	91.00, -2.71, -3.70
CIE LCh	91, 4.589, 233.761
Yxy	78.4833, 0.3022, 0.3237
Android (android.graphics.Color)	4292667372 (0xFFDCE7EC)
YUV	228.2810, 3.8055, -7.2624
Hunter-Lab	88.5908, -7.3684, 1.3104

Details

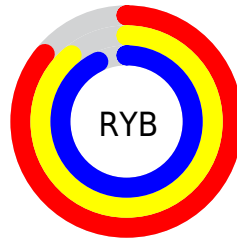
The CIELCh color $91, 4.589, 233.761$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $90, 4.748, 52.481$, and the grayscale version is $91, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $71, 4.518, 236.517$ is the 20% darker color. If you saturate the color by 10%, you get $87, 11.120, 234.617$, and if you desaturate by 10%, it is $95, 2.212, 52.597$.

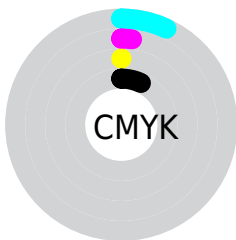
Distribution



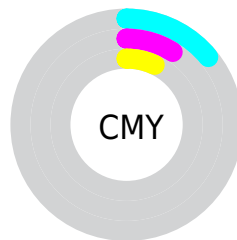
- Red (86%)
- Green (91%)
- Blue (93%)



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



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (14%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 4.589, 233.761 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 91, 4.589, 233.761 by changing the saturation by 10% instead.

■ 91, 4.589, 233.761

■ 91, 4.589, 233.761

■ 100, 4.589,
233.761

■ 81, 4.589, 233.761

■ 71, 4.589, 233.761

■ 61, 4.589, 233.761

■ 51, 4.589, 233.761

■ 41, 4.589, 233.761

■ 31, 4.589, 233.761

■ 21, 4.589, 233.761

■ 11, 4.589, 233.761

■ 1, 4.589, 233.761

91, 4.589, 233.761

91, 4.589, 233.761

87, 11.120,
234.617

95, 2.212, 52.597

84, 17.309,
235.809

97, 5.938, 76.053

81, 23.078,
237.330

99, 8.695, 105.248

100, 9.578,
109.452

78, 28.350,
239.252

75, 33.062,
241.664

72, 37.183,
244.657

69, 40.735,
248.310

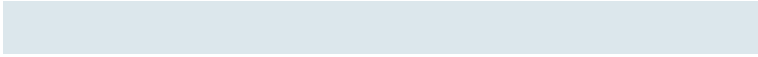
66, 43.815,
252.654

■ 64, 46.602,
257.619

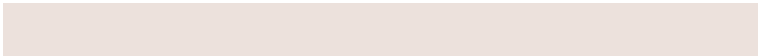
Harmonies

Complementary

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



91, 4.589, 233.761



90, 4.748, 52.481

Rectangle

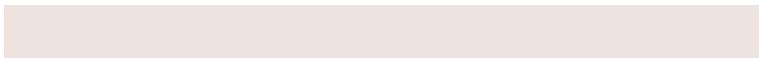
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 4.589, 233.761



91, 4.589, 283.761



91, 4.589, 53.761



91, 4.589, 103.761

Sweetspot

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



91, 4.589, 233.733



99, 1.457, 233.637



92, 8.164, 153.862



53, 0.829, 233.651



0, 0.000, 0.000



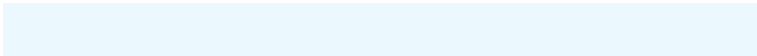
53, 0.007, 296.813

Same Dimension

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



91, 4.589, 233.733



97, 5.751, 233.822



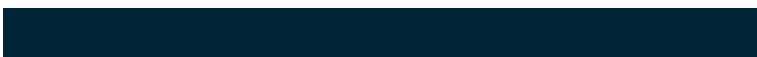
89, 6.746, 281.227



47, 3.806, 233.933



49, 38.599, 258.290



13, 15.447, 249.563

Inverse Universe

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



89, 8.131, 335.206



95, 10.226, 335.302



92, 6.682, 99.609



46, 6.795, 335.410



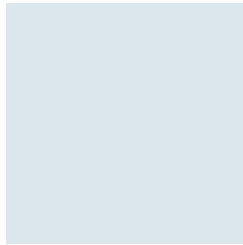
40, 70.852, 345.766



8, 31.254, 342.469

Previews

White Background



This preview shows how the CIELCh color 91, 4.589, 233.761 looks on a white background.

Color Contrast Check

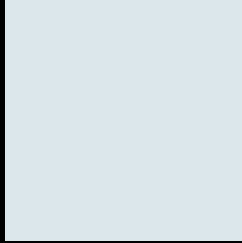
Large Text (above 18pt) WCAG AA × Fail

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 91, 4.589, 233.761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

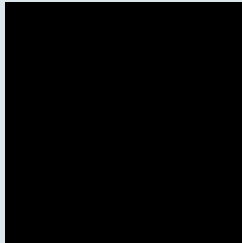
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

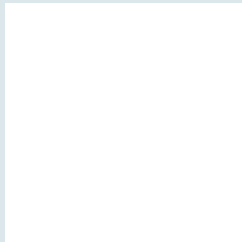
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 4.589, 233.761

Background



This preview shows how black text looks on a background with the CIELCh color 91, 4.589, 233.761.

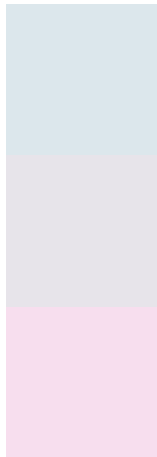


This preview shows how white text looks on a background with the CIELCh color 91, 4.589, 233.761.

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

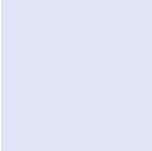
91, 4.589, 233.761

Protanopia

91, 3.309, 309.140

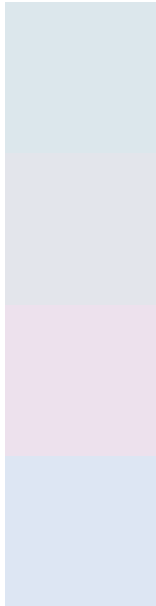
Deuteranopia

91, 12.208, 337.526



Tritanopia
91, 9.593, 276.481

Trichromacy



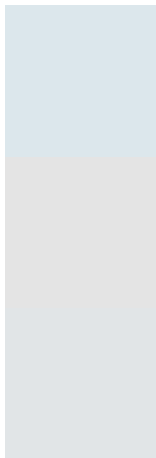
Original Color
91, 4.589, 233.761

Protanomaly
91, 3.185, 277.702

Deuteranomaly
91, 7.581, 324.682

Tritanomaly
91, 7.364, 265.843

Monochromacy



Original Color
91, 4.589, 233.761

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.745, 236.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 4.589, 233.761 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, 231, 236)` looks like.

```
.text, #text, p{  
    color:rgb(220, 231, 236)  
}
```

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, 231, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 231, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 4.589, 233.761 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, 231, 236) }
```

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

```
.border{ border-color:rgb(220, 231, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 231, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 231, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 231, 236);  
box-shadow:4px 4px 4px 4px rgb(220, 231,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 4.589, 233.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 231, 236) }
```

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

```
.background{ background-color: rgb(220,  
231, 236) }
```

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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