

# Converting Colors

CIELCh(92, 5.147, 227.073)

Have a look what the booklet for  
CIELCh(92, 5.147, 227.073) contains.

<b>CIELCh(92, 5.157, 229.407)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(92, 5.157, 229.407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDEAEF
RGB	221, 234, 239
RGB Percent	87%, 92%, 94%
CMY	0.1321, 0.0811, 0.0615
CMYK	0.08, 0.02, 0.00, 0.06
HSL	197°, 36%, 90%
HSV	197°, 8%, 94%
XYZ	75.0603, 80.7044, 93.5348
YIQ	230.6830, -9.3530, -1.2010

# Conversions

## Conversions Part 2

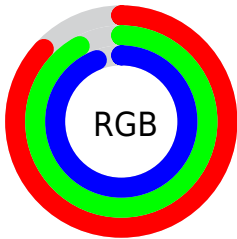
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 229, 239
Decimal	14543599
CIE Lab	92.00, -3.36, -3.92
CIE LCh	92, 5.157, 229.407
Yxy	80.7044, 0.3011, 0.3237
Android (android.graphics.Color)	4292733679 (0xFFDDEAEF)
YUV	230.6830, 4.1003, -8.4920
Hunter-Lab	89.8356, -8.0704, 1.1536

# Details

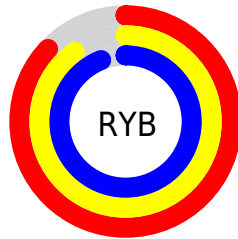
The CIELCh color `92, 5.157, 229.407` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `91, 5.376, 48.259`, and the grayscale version is `92, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `72, 5.092, 231.586` is the 20% darker color. If you saturate the color by 10%, you get `89, 11.731, 230.127`, and if you desaturate by 10%, it is `95, 1.726, 48.303`.

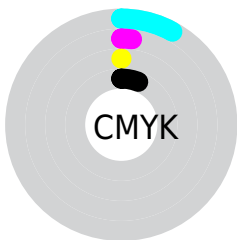
# Distribution



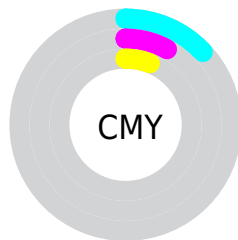
- Red (87%)
- Green (92%)
- Blue (94%)



- Red (87%)
- Yellow (90%)
- Blue (94%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (13%)
- Magenta (8%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 5.157, 229.407 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 92, 5.157, 229.407 by changing the saturation by 10% instead.



■ 92, 5.157, 229.407

■ 92, 5.157, 229.407

■ 100, 5.157,  
229.407

■ 82, 5.157, 229.407

■ 72, 5.157, 229.407

■ 62, 5.157, 229.407

■ 52, 5.157, 229.407

■ 42, 5.157, 229.407

■ 32, 5.157, 229.407

■ 22, 5.157, 229.407

■ 12, 5.157, 229.407

■ 2, 5.157, 229.407

92, 5.157, 229.407

92, 5.157, 229.407

89, 11.731,  
230.127

95, 1.726, 48.303

85, 17.914,  
231.157

98, 4.954, 77.631

82, 23.617,  
232.500

99, 7.564, 107.595

100, 7.934,  
109.574

79, 28.752,  
234.226

77, 33.244,  
236.422

74, 37.051,  
239.185

72, 40.185,  
242.601

69, 42.737,  
246.722

■ 67, 44.895,  
251.499

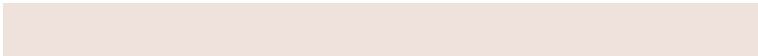
# Harmonies

# Complementary

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



92, 5.157, 229.407



91, 5.376, 48.259

# Rectangle

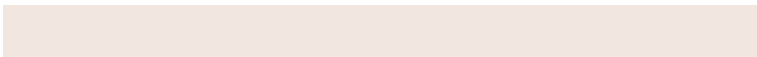
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



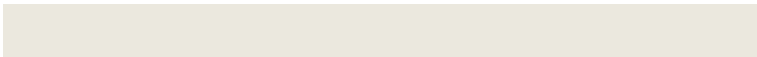
92, 5.157, 229.407



92, 5.157, 279.407



92, 5.157, 49.407



92, 5.157, 99.407

# Sweetspot

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



92, 5.157, 229.382



99, 1.463, 229.328



93, 9.394, 152.501



53, 0.832, 229.343



0, 0.000, 0.000



53, 0.007, 296.813



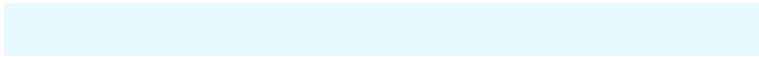


# Same Dimension

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



92, 5.157, 229.382



97, 6.474, 229.472



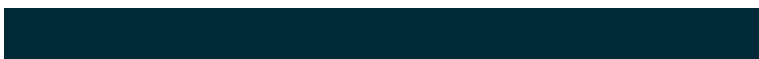
90, 7.302, 279.268



48, 3.883, 229.501



52, 36.999, 251.794



15, 15.425, 243.932



# Inverse Universe

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



90, 9.359, 333.859



94, 11.803, 333.968



93, 7.242, 97.423



47, 7.089, 334.001



41, 73.193, 343.255

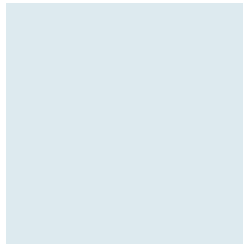


9, 32.812, 340.622



# Previews

## White Background



This preview shows how the CIELCh color 92, 5.157, 229.407 looks on a white background.

## Color Contrast Check

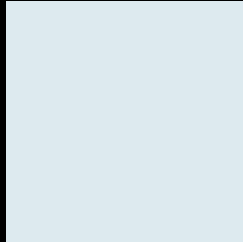
Large Text (above 18pt) WCAG AA × Fail

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 92, 5.157, 229.407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

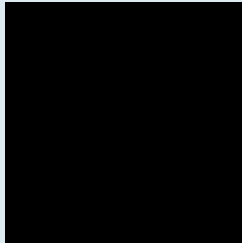
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

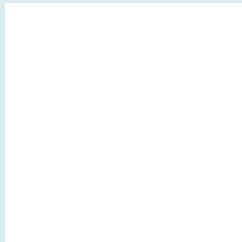
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 92, 5.157, 229.407**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 92, 5.157, 229.407.

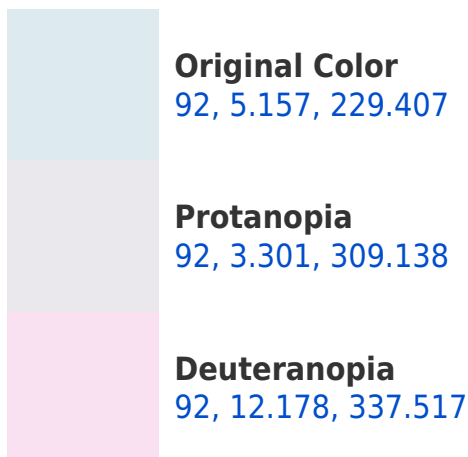


This preview shows how white text looks on a background with the CIELCh color 92, 5.157, 229.407.

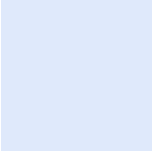
# Color Blindness Simulation

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

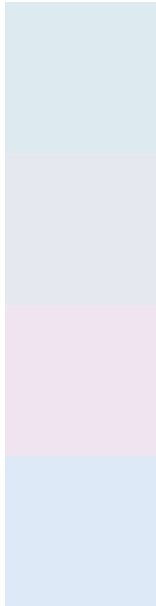






**Tritanopia**  
92, 9.843, 270.712

# Trichromacy



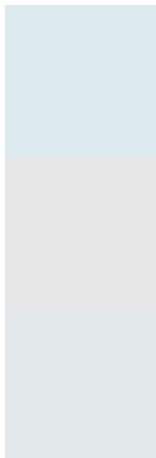
**Original Color**  
92, 5.157, 229.407

**Protanomaly**  
92, 3.267, 271.684

**Deuteranomaly**  
92, 7.563, 324.678

**Tritanomaly**  
92, 8.093, 263.042

# Monochromacy



**Original Color**  
92, 5.157, 229.407

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
92, 2.032, 230.261

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 5.157, 229.407 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, 234, 239)` looks like.

```
.text, #text, p{  
    color:rgb(221, 234, 239)  
}
```

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, 234, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 234, 239) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 5.157, 229.407 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, 234, 239) }
```

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

```
.border{ border-color:rgb(221, 234, 239) }
```

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

Here you see how a box with a 4 pixel rgb(221, 234, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 234, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 234, 239);  
box-shadow:4px 4px 4px 4px rgb(221, 234,  
239) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 5.157, 229.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 234, 239) }
```

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

```
.background{ background-color: rgb(221,  
234, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor