

# Converting Colors

CIELCh(92, 5.139, 208.795)

Have a look what the booklet for  
CIELCh(92, 5.139, 208.795) contains.

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# **Color**

**CIELCh(92, 5.301, 210.450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCEBED
RGB	220, 235, 237
RGB Percent	86%, 92%, 93%
CMY	0.1375, 0.0786, 0.0708
CMYK	0.07, 0.01, 0.00, 0.07
HSL	187°, 32%, 90%
HSV	187°, 7%, 93%
XYZ	74.4702, 80.7044, 91.7319
YIQ	230.7430, -9.5820, -2.5580

# Conversions

## Conversions Part 2

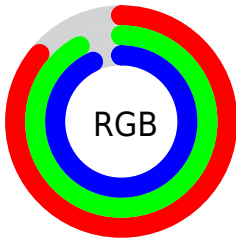
Format	Color
R <sub>YB</sub>	220, 228, 237
Decimal	14478317
CIE Lab	92.00, -4.57, -2.69
CIE LCh	92, 5.301, 210.450
Yxy	80.7044, 0.3016, 0.3269
Android (android.graphics.Color)	4292668397 (0xFFDCEBED)
YUV	230.7430, 3.0847, -9.4216
Hunter-Lab	89.8356, -9.2429, 2.3435

# Details

The CIELCh color `92, 5.301, 210.450` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `90, 5.552, 30.402`, 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, 5.197, 211.215` is the 20% darker color. If you saturate the color by 10%, you get `90, 12.339, 210.334`, and if you desaturate by 10%, it is `94, 2.136, 30.130`.

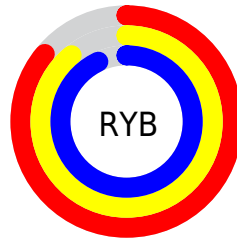
# Distribution



Red (86%)

Green (92%)

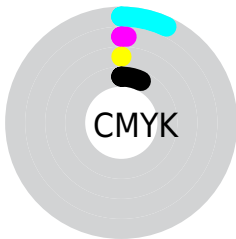
Blue (93%)



Red (86%)

Yellow (89%)

Blue (93%)

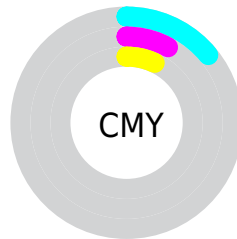


Cyan (7%)

Magenta (1%)

Yellow (0%)

Black (7%)



Cyan (14%)

Magenta (8%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 5.301, 210.450 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, 5.301, 210.450 by changing the saturation by 10% instead.



92, 5.301, 210.450

92, 5.301, 210.450

100, 5.301,  
210.450

82, 5.301, 210.450

72, 5.301, 210.450

62, 5.301, 210.450

52, 5.301, 210.450

42, 5.301, 210.450

32, 5.301, 210.450

22, 5.301, 210.450

12, 5.301, 210.450

2, 5.301, 210.450

92, 5.301, 210.450

92, 5.301, 210.450

90, 12.339,  
210.334

94, 2.136, 30.130

88, 18.862,  
210.409

96, 5.497, 38.960

86, 24.750,  
210.643

97, 5.284, 57.270

84, 29.881,  
211.065

98, 6.427, 89.666

82, 34.141,  
211.715

99, 7.543, 100.425

81, 37.448,  
212.639

100, 9.138,  
109.485

79, 39.762,  
213.887

78, 41.112,  
215.506

■ 77, 41.621,  
217.527

# Harmonies

# Complementary

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



92, 5.301, 210.450



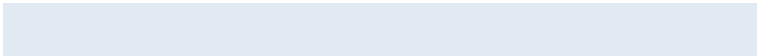
90, 5.552, 30.402

# Rectangle

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



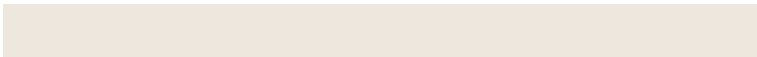
92, 5.301, 210.450



92, 5.301, 260.450



92, 5.301, 30.450



92, 5.301, 80.450

# Sweetspot

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



92, 5.302, 210.427



99, 1.589, 210.778



92, 9.900, 147.378



53, 0.904, 210.801



0, 0.000, 0.000



53, 0.007, 296.813



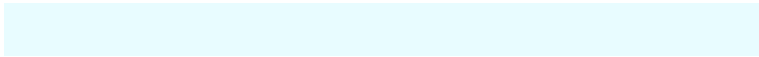


# Same Dimension

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



92, 5.302, 210.427



98, 7.025, 210.391



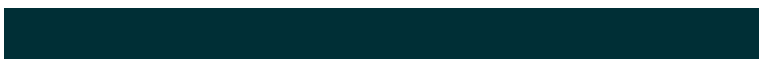
90, 5.866, 267.914



48, 4.140, 210.384



60, 34.120, 217.720



17, 14.778, 214.218



# Inverse Universe

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



89, 9.918, 328.194



94, 13.222, 328.311



92, 5.885, 85.958



46, 7.802, 328.337



42, 81.516, 333.528

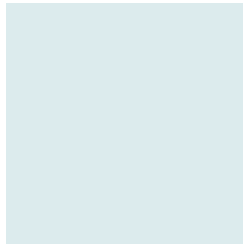


9, 35.377, 332.667



# Previews

## White Background



This preview shows how the CIELCh color 92, 5.301, 210.450 looks on a white background.

## Color Contrast Check

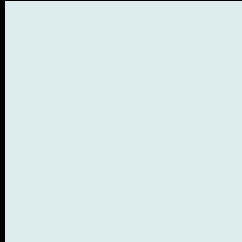
Large Text (above 18pt) WCAG AA × Fail

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 92, 5.301, 210.450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

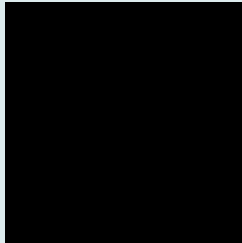
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

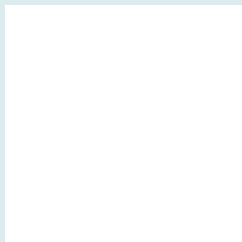
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 92, 5.301, 210.450

## Background



This preview shows how black text looks on a background with the CIELCh color 92, 5.301, 210.450.



This preview shows how white text looks on a background with the CIELCh color 92, 5.301, 210.450.

# 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

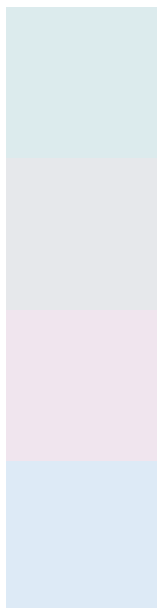






**Tritanopia**  
92, 9.957, 268.881

# Trichromacy



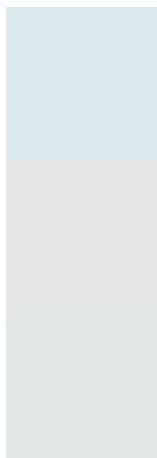
**Original Color**  
92, 5.301, 210.450

**Protanomaly**  
92, 1.702, 265.879

**Deuteranomaly**  
92, 6.109, 330.125

**Tritanomaly**  
92, 7.561, 254.597

# Monochromacy



**Original Color**  
92, 5.301, 210.450

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
92, 1.832, 216.042

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 5.301, 210.450 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, 235, 237)` looks like.

```
.text, #text, p{  
    color:rgb(220, 235, 237)  
}
```

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, 235, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 235, 237) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 5.301, 210.450 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, 235, 237) }
```

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

```
.border{ border-color:rgb(220, 235, 237) }
```

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

Here you see how a box with a 4 pixel rgb(220, 235, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 235, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 235, 237);  
box-shadow:4px 4px 4px 4px rgb(220, 235,  
237) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 5.301, 210.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 235, 237) }
```

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

```
.background{ background-color: rgb(220,  
235, 237) }
```

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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