

# Converting Colors

CIE LCh(93, 5.225, 189.196)

Have a look what the booklet for  
CIELCh(93, 5.225, 189.196) contains.

<b>CIELCh(93, 5.361, 188.055)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(93, 5.361, 188.055)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFEEEC
RGB	223, 238, 236
RGB Percent	87%, 93%, 93%
CMY	0.1251, 0.0663, 0.0741
CMYK	0.06, 0.00, 0.01, 0.07
HSL	172°, 31%, 90%
HSV	172°, 6%, 93%
XYZ	76.2150, 82.9670, 91.4246
YIQ	233.2870, -8.2980, -3.8020

# Conversions

## Conversions Part 2

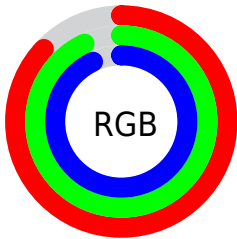
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 231, 238
Decimal	14675692
CIE Lab	93.00, -5.31, -0.75
CIE LCh	93, 5.361, 188.055
Yxy	82.9670, 0.3041, 0.3311
Android (android.graphics.Color)	4292865772 (0xFFDFEEEC)
YUV	233.2870, 1.3375, -9.0217
Hunter-Lab	91.0862, -10.0439, 4.2501

# Details

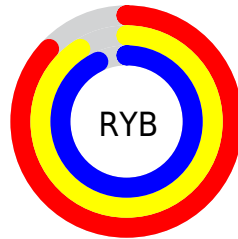
The CIELCh color **93, 5.361, 188.055** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90, 5.528, 8.881**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 5.269, 187.163** is the 20% darker color. If you saturate the color by 10%, you get **91, 13.624, 187.130**, and if you desaturate by 10%, it is **95, 3.196, 8.555**.

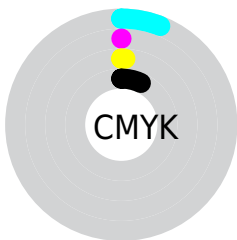
# Distribution



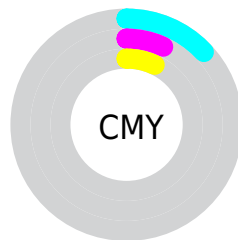
- Red (87%)
- Green (93%)
- Blue (93%)



- Red (87%)
- Yellow (91%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 5.361, 188.055 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 93, 5.361, 188.055 by changing the saturation by 10% instead.



93, 5.361, 188.055

93, 5.361, 188.055

100, 5.361,  
188.055

83, 5.361, 188.055

73, 5.361, 188.055

63, 5.361, 188.055

53, 5.361, 188.055

43, 5.361, 188.055

33, 5.361, 188.055

23, 5.361, 188.055

13, 5.361, 188.055

3, 5.361, 188.055

93, 5.361, 188.055

93, 5.361, 188.055

91, 13.624,  
187.130

95, 3.196, 8.555

90, 21.458,  
186.248

96, 6.433, 359.494

89, 28.723,  
185.342

96, 7.154, 347.186

88, 35.273,  
184.395

96, 9.317, 330.137

87, 40.972,  
183.391

96, 10.541,  
324.779

86, 45.714,  
182.313

85, 49.438,  
181.139

85, 52.152,  
179.848

■ 85, 53.949,  
178.427

# Harmonies

# Complementary

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



93, 5.361, 188.055



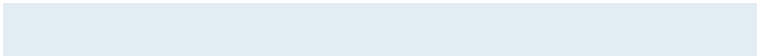
90, 5.528, 8.881

# Rectangle

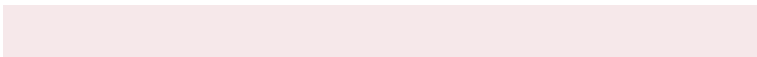
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



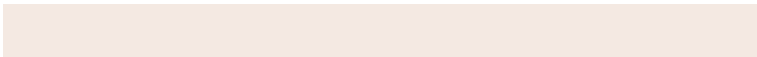
93, 5.361, 188.055



93, 5.361, 238.055



93, 5.361, 8.055



93, 5.361, 58.055

# Sweetspot

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



93, 5.363, 188.037



100, 1.808, 188.630



93, 9.015, 140.011



53, 1.028, 188.656



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

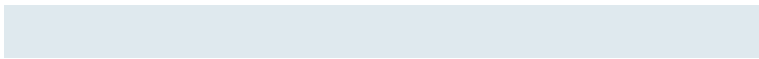
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 5.363, 188.037



98, 7.178, 187.870



92, 4.314, 238.472



49, 4.837, 187.736



67, 44.719, 178.146



20, 19.099, 180.392



# Inverse Universe

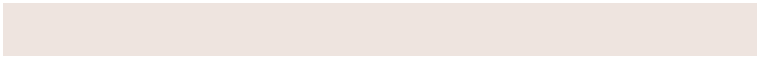
The Inverse Universe completely reimagines the original color for something new.



90, 5.528, 8.881



95, 7.458, 9.064



91, 4.436, 57.102



47, 5.060, 9.215



38, 75.853, 33.949

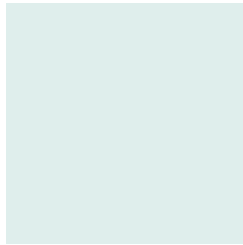


8, 29.218, 18.369



# Previews

## White Background



This preview shows how the CIELCh color 93, 5.361, 188.055 looks on a white background.

## Color Contrast Check

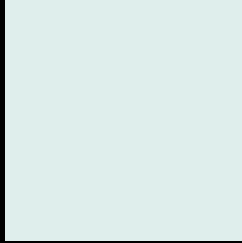
Large Text (above 18pt) WCAG AA × Fail

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 93, 5.361, 188.055 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

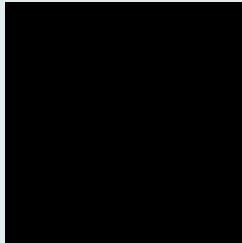
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

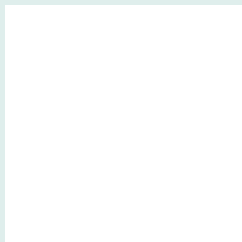
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 93, 5.361, 188.055

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 5.361, 188.055.

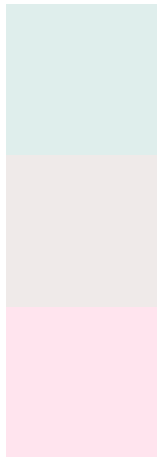


This preview shows how white text looks on a background with the CIELCh color 93, 5.361, 188.055.

# 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

93, 5.361, 188.055

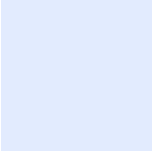
### Protanopia

93, 1.849, 35.332

### Deuteranopia

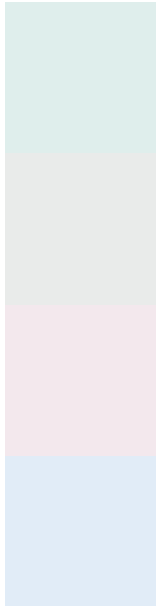
93, 10.979, 352.221





**Tritanopia**  
93, 10.213, 273.555

# Trichromacy



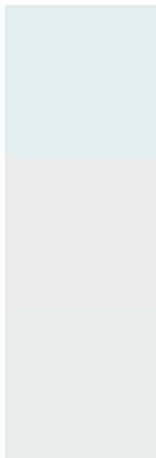
**Original Color**  
93, 5.361, 188.055

**Protanomaly**  
93, 0.874, 164.105

**Deuteranomaly**  
93, 4.712, 346.460

**Tritanomaly**  
93, 6.758, 256.645

# Monochromacy



**Original Color**  
93, 5.361, 188.055

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
93, 2.183, 185.875

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 5.361, 188.055 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(223, 238, 236)` looks like.

```
.text, #text, p{  
    color:rgb(223, 238, 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(223, 238, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 238, 236) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 5.361, 188.055 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(223, 238, 236) }
```

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

```
.border{ border-color:rgb(223, 238, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 238, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 238, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 238, 236);  
box-shadow:4px 4px 4px 4px rgb(223, 238,  
236) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 5.361, 188.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 238, 236) }
```

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

```
.background{ background-color: rgb(223,  
238, 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](#).

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