

# Converting Colors

CIELCh(95, 3.758, 219.779)

Have a look what the booklet for  
CIELCh(95, 3.758, 219.779) contains.

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# **Color**

**CIELCh(95, 3.939, 214.454)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E8F3F5
RGB	232, 243, 245
RGB Percent	91%, 95%, 96%
CMY	0.0913, 0.0481, 0.0403
CMYK	0.05, 0.01, 0.00, 0.04
HSL	189°, 39%, 93%
HSV	189°, 5%, 96%
XYZ	81.5940, 87.6183, 98.7731
YIQ	239.9390, -7.1980, -1.7100

# Conversions

## Conversions Part 2

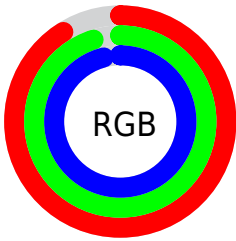
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 238, 245
Decimal	15266805
CIE Lab	95.00, -3.25, -2.23
CIE LCh	95, 3.939, 214.454
Yxy	87.6183, 0.3045, 0.3270
Android (android.graphics.Color)	4293456885 (0xFFE8F3F5)
YUV	239.9390, 2.4951, -6.9625
Hunter-Lab	93.6047, -8.2119, 2.9596

# Details

The CIELCh color `95, 3.939, 214.454` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `93, 4.072, 34.085`, and the grayscale version is `95, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `75, 4.121, 214.432` is the 20% darker color. If you saturate the color by 10%, you get `92, 11.055, 214.448`, and if you desaturate by 10%, it is `98, 3.140, 35.977`.

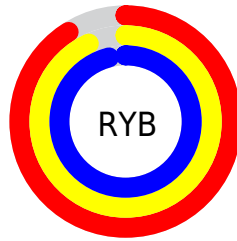
# Distribution



Red (91%)

Green (95%)

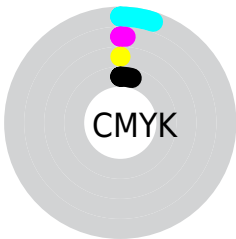
Blue (96%)



Red (91%)

Yellow (93%)

Blue (96%)

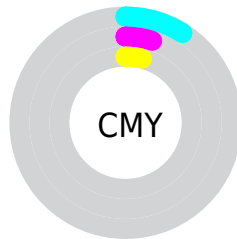


Cyan (5%)

Magenta (1%)

Yellow (0%)

Black (4%)



Cyan (9%)

Magenta (5%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 3.939, 214.454 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 95, 3.939, 214.454 by changing the saturation by 10% instead.



95, 3.939, 214.454

95, 3.939, 214.454

100, 3.939,  
214.454

85, 3.939, 214.454

75, 3.939, 214.454

65, 3.939, 214.454

55, 3.939, 214.454

45, 3.939, 214.454

35, 3.939, 214.454

25, 3.939, 214.454

15, 3.939, 214.454

5, 3.939, 214.454

95, 3.939, 214.454

95, 3.939, 214.454

92, 11.055,  
214.448

98, 3.140, 35.977

90, 17.687,  
214.698

99, 3.252, 78.687

88, 23.716,  
215.138

100, 4.706,  
105.482

85, 29.022,  
215.805

100, 5.201,  
109.774

84, 33.491,  
216.752

82, 37.034,  
218.040

80, 39.607,  
219.737

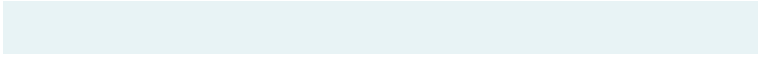
79, 41.231,  
221.911

■ 77, 42.018,  
224.611

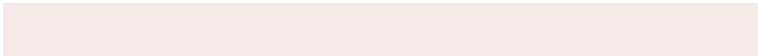
# Harmonies

# Complementary

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



95, 3.939, 214.454



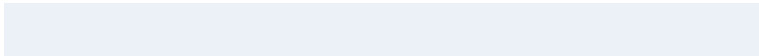
93, 4.072, 34.085

# Rectangle

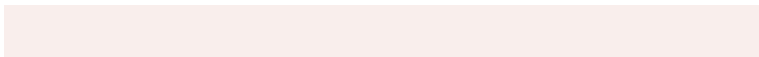
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 3.939, 214.454



95, 3.939, 264.454



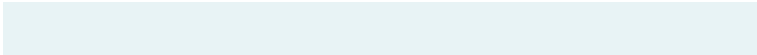
95, 3.939, 34.454



95, 3.939, 84.454

# Sweetspot

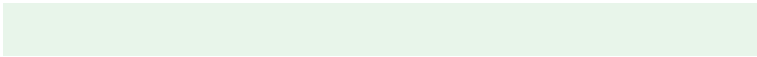
The Sweet Spot groups the original color and five complimentary colors.



95, 3.940, 214.421



99, 1.547, 214.668



95, 7.335, 148.563



53, 0.880, 214.690



0, 0.000, 0.000



53, 0.007, 296.813



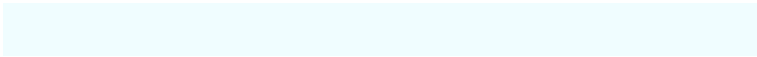


# Same Dimension

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



95, 3.940, 214.421



98, 4.594, 214.408



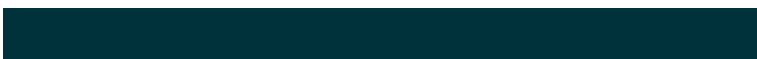
93, 4.613, 270.515



50, 2.942, 214.400



60, 34.389, 225.445



18, 15.368, 221.090



# Inverse Universe

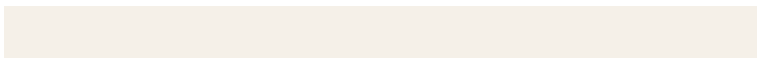
The Inverse Universe completely reimagines the original color for something new.



93, 7.339, 329.230



96, 8.577, 329.278



95, 4.604, 89.043



49, 5.504, 329.320



43, 80.907, 335.463

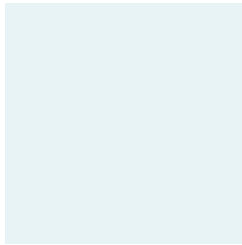


10, 36.540, 334.364



# Previews

## White Background



This preview shows how the CIELCh color 95, 3.939, 214.454 looks on a white background.

## Color Contrast Check

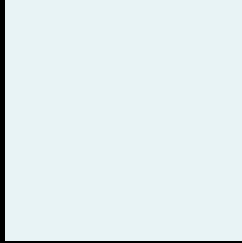
Large Text (above 18pt) WCAG AA × Fail

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 95, 3.939, 214.454 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

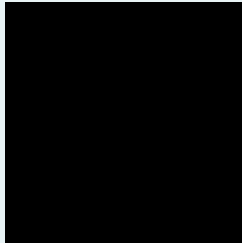
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

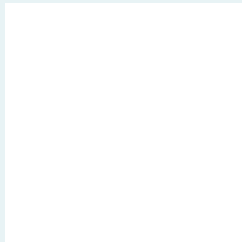
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 95, 3.939, 214.454**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 95, 3.939, 214.454.

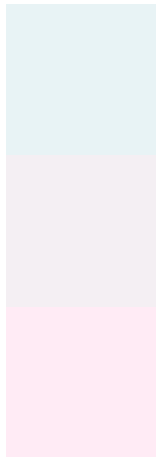


This preview shows how white text looks on a background with the CIELCh color 95, 3.939, 214.454.

# 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**  
95, 3.939, 214.454

**Protanopia**  
95, 2.731, 330.525

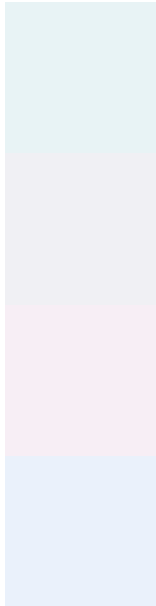
**Deuteranopia**  
95, 8.787, 344.253





**Tritanopia**  
95, 7.810, 280.681

# Trichromacy



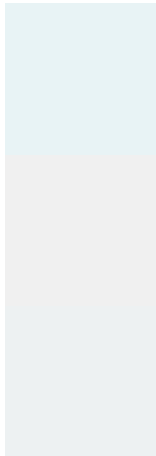
**Original Color**  
95, 3.939, 214.454

**Protanomaly**  
95, 2.064, 290.373

**Deuteranomaly**  
95, 4.827, 331.471

**Tritanomaly**  
95, 5.639, 265.289

# Monochromacy



**Original Color**  
95, 3.939, 214.454

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
95, 1.489, 219.945

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 3.939, 214.454 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(232, 243, 245)` looks like.

```
.text, #text, p{  
    color:rgb(232, 243, 245)  
}
```

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(232, 243, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 243, 245) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 3.939, 214.454 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(232, 243, 245) }
```

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

```
.border{ border-color:rgb(232, 243, 245) }
```

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

Here you see how a box with a 4 pixel rgb(232, 243, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 243, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 243, 245);  
box-shadow:4px 4px 4px 4px rgb(232, 243,  
245) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 3.939, 214.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 243, 245) }
```

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

```
.background{ background-color: rgb(232,  
243, 245) }
```

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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