

# Converting Colors

CIELCh(100, 30.688, 14.753)

Have a look what the booklet for  
CIELCh(100, 30.688, 14.753)  
contains.

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# **Color**

**CIELCh(95, 8.330, 354.403)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEBF2
RGB	255, 235, 242
RGB Percent	100%, 92%, 95%
CMY	0.0000, 0.0768, 0.0493
CMYK	0.00, 0.08, 0.05, 0.00
HSL	339°, 100%, 96%
HSV	339°, 8%, 100%
XYZ	87.6831, 87.6183, 96.6216
YIQ	241.7780, 9.6730, 6.4170

# Conversions

## Conversions Part 2

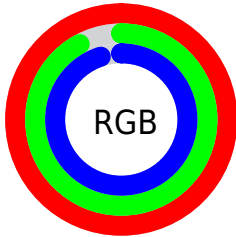
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 235, 242
Decimal	16772082
CIE Lab	95.00, 8.29, -0.81
CIE LCh	95, 8.330, 354.403
Yxy	87.6183, 0.3225, 0.3222
Android (android.graphics.Color)	4294962162 (0xFFFFEBF2)
YUV	241.7780, 0.1094, 11.5957
Hunter-Lab	93.6047, 3.3996, 4.3223

# Details

The CIELCh color `95, 8.330, 354.403` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `98, 7.721, 171.468`, and the grayscale version is `96, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `75, 8.078, 352.227` is the 20% darker color. If you saturate the color by 10%, you get `88, 18.419, 353.828`, and if you desaturate by 10%, it is `100, 0.012, 296.813`.

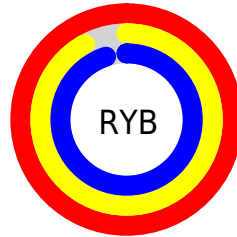
# Distribution



Red (100%)

Green (92%)

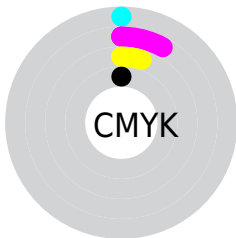
Blue (95%)



Red (100%)

Yellow (92%)

Blue (95%)

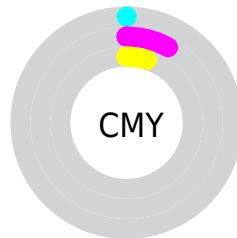


Cyan (0%)

Magenta (8%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 8.330, 354.403 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, 8.330, 354.403 by changing the saturation by 10% instead.



 95, 8.330, 354.403	 95, 8.330, 354.403
 100, 8.330, 354.403	 85, 8.330, 354.403
	 75, 8.330, 354.403
	 65, 8.330, 354.403
	 55, 8.330, 354.403
	 45, 8.330, 354.403
	 35, 8.330, 354.403
	 25, 8.330, 354.403
	 15, 8.330, 354.403
	 5, 8.330, 354.403

95, 8.330, 354.403

95, 8.330, 354.403

88, 18.419,  
353.828

100, 0.012,  
296.813

82, 29.231,  
355.042

76, 40.114,  
356.463

70, 50.761,  
358.170

65, 60.744, 0.271

61, 69.537, 2.911

58, 76.645, 6.268

55, 81.813, 10.518

54, 85.301, 15.712



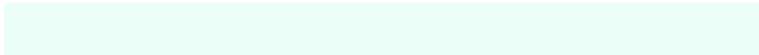
# Harmonies

# Complementary

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



95, 8.330, 354.403



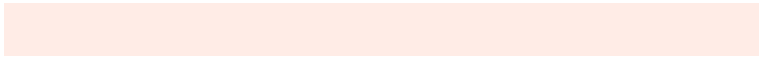
98, 7.721, 171.468

# Rectangle

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



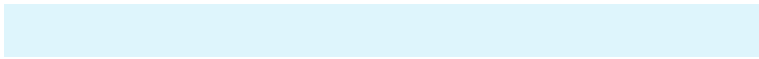
95, 8.330, 354.403



95, 8.330, 44.403



95, 8.330, 174.403



95, 8.330, 224.403

# Sweetspot

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



95, 7.867, 352.746



99, 2.031, 352.011



95, 11.014, 313.889



53, 1.155, 351.988



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

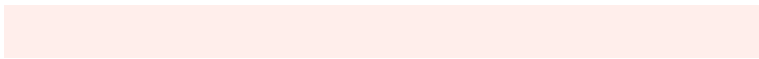
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 7.867, 352.746



94, 9.239, 352.886



95, 6.244, 32.036



50, 5.842, 352.939



40, 69.058, 15.906



10, 31.297, 8.386



# Inverse Universe

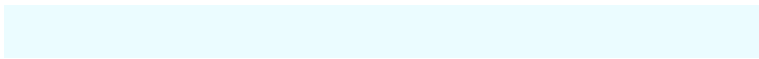
The Inverse Universe completely reimagines the original color for something new.



95, 7.867, 352.746



94, 9.239, 352.886



98, 5.942, 212.139



50, 5.842, 352.939



40, 69.058, 15.906

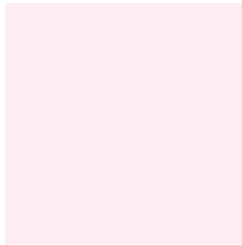


10, 31.297, 8.386



# Previews

## White Background



This preview shows how the CIELCh color 95, 8.330, 354.403 looks on a white background.

## Color Contrast Check

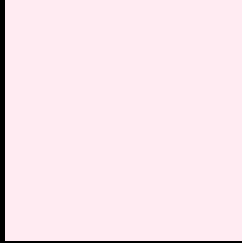
Large Text (above 18pt) WCAG AA × Fail

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 95, 8.330, 354.403 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

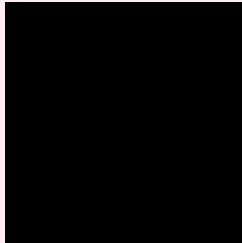
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 95, 8.330, 354.403

## Background



This preview shows how black text looks on a background with the CIELCh color 95, 8.330, 354.403.

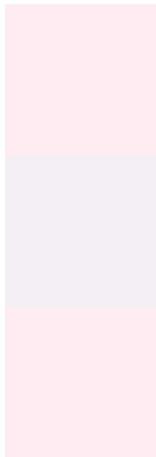


This preview shows how white text looks on a background with the CIELCh color 95, 8.330, 354.403.

# 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, 8.001, 353.255


### Protanopia

95, 3.413, 314.712

### Deuteranopia

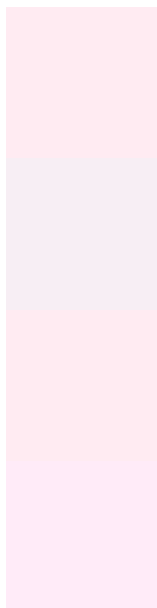
95, 8.001, 353.255





**Tritanopia**  
95, 11.486, 330.678

# Trichromacy



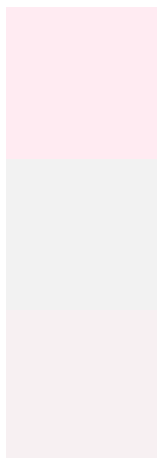
**Original Color**  
95, 8.001, 353.255

**Protanomaly**  
95, 4.456, 335.829

**Deuteranomaly**  
95, 8.001, 353.255

**Tritanomaly**  
95, 9.757, 336.903

# Monochromacy



**Original Color**  
95, 8.001, 353.255

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
95, 2.696, 357.011

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 8.330, 354.403 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(255, 235, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 242)  
}
```

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(255, 235, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 242) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 8.330, 354.403 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(255, 235, 242) }
```

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

```
.border{ border-color:rgb(255, 235, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
242) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 8.330, 354.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 242) }
```

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

```
.background{ background-color: rgb(255,  
235, 242) }
```

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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