

# Converting Colors

CIELCh(95, 2.028, 94.346)

Have a look what the booklet for  
CIELCh(95, 2.028, 94.346) contains.

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# **Color**

**CIELCh(95, 2.066, 100.083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2F1ED
RGB	242, 241, 237
RGB Percent	95%, 95%, 93%
CMY	0.0523, 0.0562, 0.0719
CMYK	0.00, 0.00, 0.02, 0.05
HSL	48°, 16%, 94%
HSV	48°, 2%, 95%
XYZ	83.0899, 87.6183, 92.3917
YIQ	240.8430, 1.8800, -1.0320

# Conversions

## Conversions Part 2

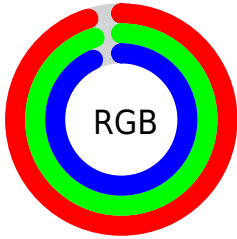
Format	Color
R <sub>Y</sub> B	238, 242, 237
Decimal	15921645
CIE Lab	95.00, -0.36, 2.03
CIE LCh	95, 2.066, 100.083
Yxy	87.6183, 0.3158, 0.3330
Android (android.graphics.Color)	4294111725 (0xFF2F1ED)
YUV	240.8430, -1.8946, 1.0147
Hunter-Lab	93.6047, -5.3594, 7.0015

# Details

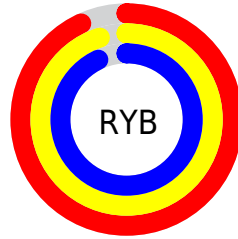
The CIELCh color **95, 2.066, 100.083** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94, 2.093, 280.775**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **75, 2.174, 100.037** is the 20% darker color. If you saturate the color by 10%, you get **93, 12.169, 99.059**, and if you desaturate by 10%, it is **97, 5.033, 275.419**.

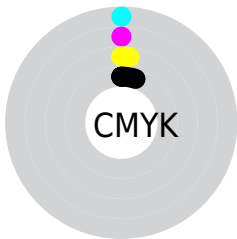
# Distribution



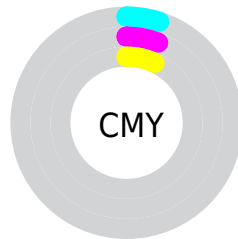
- Red (95%)
- Green (95%)
- Blue (93%)



- Red (93%)
- Yellow (95%)
- Blue (93%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (5%)
- Magenta (6%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 2.066, 100.083 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, 2.066, 100.083 by changing the saturation by 10% instead.



95, 2.066, 100.083

95, 2.066, 100.083

100, 2.066,  
100.083

85, 2.066, 100.083

75, 2.066, 100.083

65, 2.066, 100.083

55, 2.066, 100.083

45, 2.066, 100.083

35, 2.066, 100.083

25, 2.066, 100.083

15, 2.066, 100.083

5, 2.066, 100.083

95, 2.066, 100.083

95, 2.066, 100.083

93, 12.169, 99.059

97, 5.033, 275.419

92, 22.334, 97.882

98, 3.796, 238.798

90, 32.509, 96.672

99, 4.599, 199.258

88, 42.598, 95.438

87, 52.432, 94.188

85, 61.716, 92.925

84, 69.972, 91.642

83, 76.507, 90.315

81, 80.543, 88.887

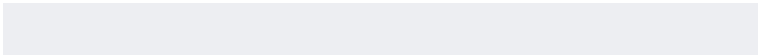
# Harmonies

# Complementary

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



95, 2.066, 100.083



94, 2.093, 280.775

# Rectangle

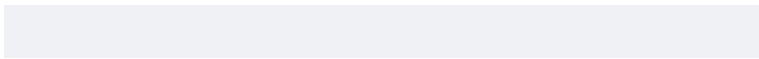
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 2.066, 100.083



95, 2.066, 150.083



95, 2.066, 280.083



95, 2.066, 330.083

# Sweetspot

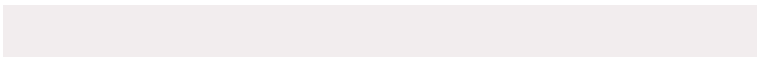
The Sweet Spot groups the original color and five complimentary colors.



95, 2.068, 100.135



100, 1.038, 100.161



94, 1.856, 3.121



53, 0.590, 100.157



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, 2.068, 100.135



100, 2.088, 100.139



95, 2.612, 121.706



50, 1.128, 100.146



63, 66.795, 87.955



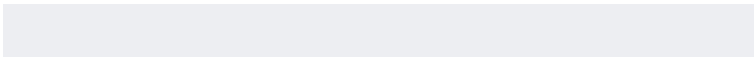
19, 26.968, 90.344



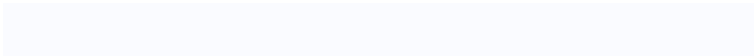


# Inverse Universe

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



94, 2.093, 280.775



99, 2.115, 280.770



94, 2.643, 301.898



50, 1.143, 280.763



26, 91.495, 302.456

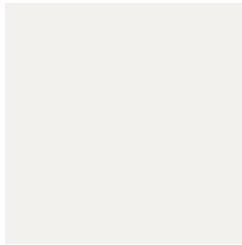


5, 32.608, 294.836



# Previews

## White Background



This preview shows how the CIELCh color 95, 2.066, 100.083 looks on a white background.

## Color Contrast Check

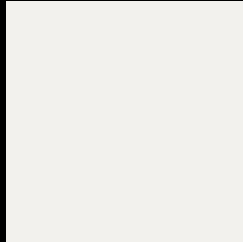
Large Text (above 18pt) WCAG AA × Fail

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, 2.066, 100.083 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

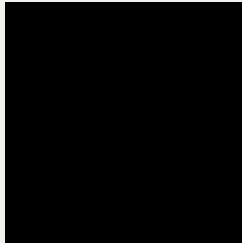
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

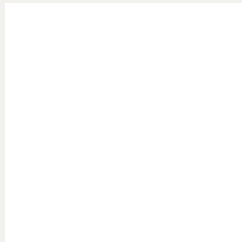
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 95, 2.066, 100.083**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 95, 2.066, 100.083.

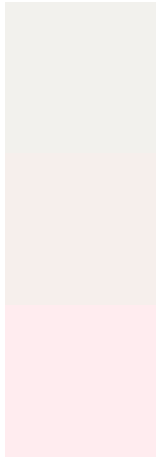


This preview shows how white text looks on a background with the CIELCh color 95, 2.066, 100.083.

# 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, 2.066, 100.083

### Protanopia

95, 2.918, 51.086

### Deuteranopia

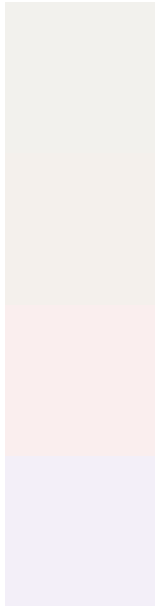
95, 6.980, 7.097



**Tritanopia**  
95, 9.018, 304.126



# Trichromacy



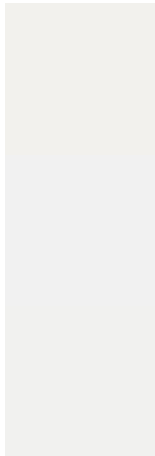
**Original Color**  
95, 2.066, 100.083

**Protanomaly**  
95, 2.477, 74.849

**Deuteranomaly**  
95, 4.284, 19.547

**Tritanomaly**  
95, 4.857, 307.249

# Monochromacy



**Original Color**  
95, 2.066, 100.083

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
95, 1.014, 110.026

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 2.066, 100.083 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(242, 241, 237)` looks like.

```
.text, #text, p{  
    color:rgb(242, 241, 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(242, 241, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 241, 237) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 2.066, 100.083 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(242, 241, 237) }
```

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

```
.border{ border-color:rgb(242, 241, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 241, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 241, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 241, 237);  
box-shadow:4px 4px 4px 4px rgb(242, 241,  
237) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 2.066, 100.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 241, 237) }
```

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

```
.background{ background-color: rgb(242,  
241, 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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