

Converting Colors

CIELCh(100, 22.989, 25.565)

Have a look what the booklet for
CIELCh(100, 22.989, 25.565)
contains.

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Color

CIELCh(96, 5.587, 35.538)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0ED
RGB	255, 240, 237
RGB Percent	100%, 94%, 93%
CMY	0.0000, 0.0573, 0.0691
CMYK	0.00, 0.06, 0.07, 0.00
HSL	10°, 100%, 97%
HSV	10°, 7%, 100%
XYZ	87.9895, 90.0078, 93.1415
YIQ	244.1430, 9.9030, 2.2470

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 241, 237
Decimal	16773357
CIE Lab	96.00, 4.55, 3.25
CIE LCh	96, 5.587, 35.538
Yxy	90.0078, 0.3245, 0.3320
Android (android.graphics.Color)	4294963437 (0xFFFFF0ED)
YUV	244.1430, -3.5215, 9.5216
Hunter-Lab	94.8724, -0.4768, 8.2024

Details

The CIELCh color **96, 5.587, 35.538** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98, 5.222, 216.330**, 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 **76, 5.531, 36.618** is the 20% darker color. If you saturate the color by 10%, you get **90, 13.915, 36.052**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

Distribution



Red (100%)

Green (94%)

Blue (93%)



Red (100%)

Yellow (95%)

Blue (93%)



Cyan (0%)

Magenta (6%)

Yellow (7%)

Black (0%)



Cyan (0%)



Magenta (6%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 5.587, 35.538 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 96, 5.587, 35.538 by changing the saturation by 10% instead.

 96, 5.587, 35.538	 96, 5.587, 35.538
 100, 5.587, 35.538	 86, 5.587, 35.538
	 76, 5.587, 35.538
	 66, 5.587, 35.538
	 56, 5.587, 35.538
	 46, 5.587, 35.538
	 36, 5.587, 35.538
	 26, 5.587, 35.538
	 16, 5.587, 35.538
	 6, 5.587, 35.538

96, 5.587, 35.538

96, 5.587, 35.538

90, 13.915, 36.052

100, 0.012,
296.813

85, 23.101, 36.236

79, 33.052, 36.590

74, 43.765, 37.167

69, 55.175, 38.011

65, 67.098, 39.137

61, 79.128, 40.473

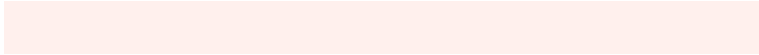
58, 90.359, 41.722

56, 98.905, 42.168

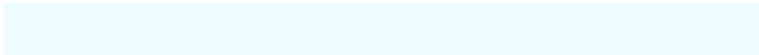
Harmonies

Complementary

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



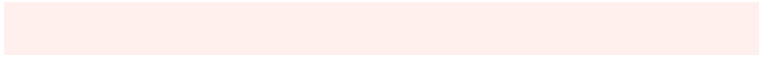
96, 5.587, 35.538



98, 5.222, 216.330

Rectangle

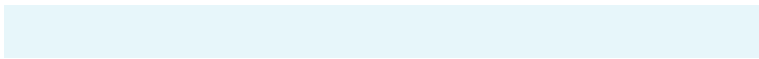
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



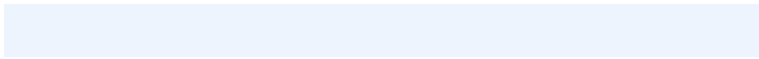
96, 5.587, 35.538



96, 5.587, 85.538



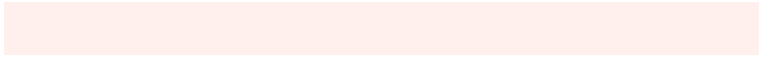
96, 5.587, 215.538



96, 5.587, 265.538

Sweetspot

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



96, 5.454, 35.952



99, 1.545, 35.673



96, 9.796, 329.775



53, 0.878, 35.652



0, 0.000, 0.000



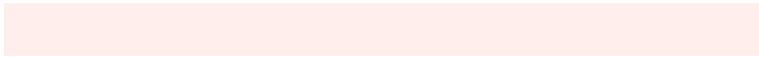
53, 0.007, 296.813

Same Dimension

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



96, 5.454, 35.952



95, 6.341, 35.966



98, 6.315, 90.218



50, 4.534, 35.981



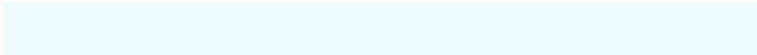
41, 80.929, 42.610



11, 30.412, 35.565

Inverse Universe

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



98, 5.222, 216.330



98, 6.026, 216.332



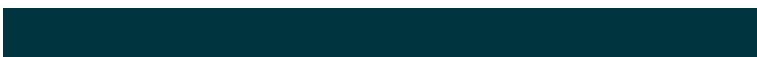
96, 6.323, 272.064



52, 4.266, 216.345



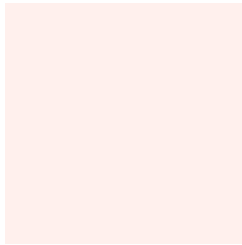
60, 35.082, 229.206



20, 16.150, 224.740

Previews

White Background



This preview shows how the CIE LCh color 96, 5.587, 35.538 looks on a white background.

Color Contrast Check

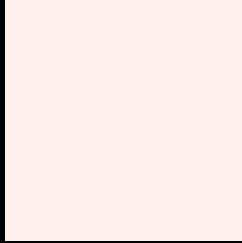
Large Text (above 18pt) WCAG AA × Fail

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 96, 5.587, 35.538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

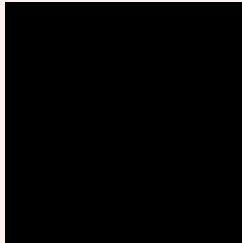
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

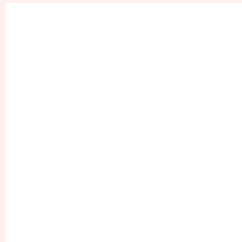
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 5.587, 35.538

Background



This preview shows how black text looks on a background with the CIELCh color 96, 5.587, 35.538.

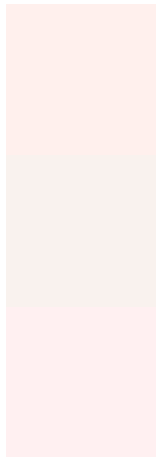


This preview shows how white text looks on a background with the CIELCh color 96, 5.587, 35.538.

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


96, 5.587, 35.538

Protanopia

96, 3.208, 58.877

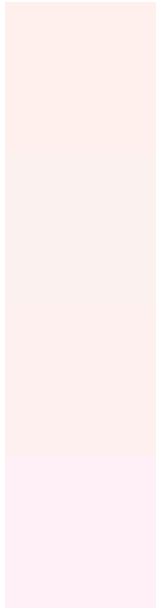
Deuteranopia

96, 5.379, 14.205



Tritanopia
96, 9.560, 326.487

Trichromacy



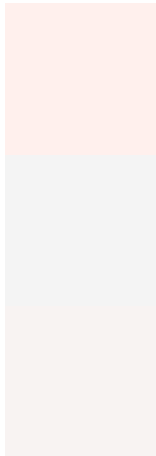
Original Color
96, 5.587, 35.538

Protanomaly
96, 3.874, 42.758

Deuteranomaly
96, 5.358, 19.646

Tritanomaly
96, 6.727, 342.302

Monochromacy



Original Color
96, 5.587, 35.538

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 1.836, 35.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 5.587, 35.538 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, 240, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 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(255, 240, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 5.587, 35.538 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, 240, 237) }
```

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

```
.border{ border-color:rgb(255, 240, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 5.587, 35.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 237) }
```

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

```
.background{ background-color: rgb(255,  
240, 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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