

Converting Colors

CIELCh(96, 5.616, 47.292)

Have a look what the booklet for
CIELCh(96, 5.616, 47.292) contains.

CIELCh(96, 5.628, 46.539)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(96, 5.628, 46.539)

Conversions

Conversions Part 1	
Format	Color
Hex	FFF1EC
RGB	255, 241, 236
RGB Percent	100%, 95%, 93%
CMY	0.0010, 0.0559, 0.0755
CMYK	0.00, 0.05, 0.07, 0.00
HSL	16°, 97%, 96%
HSV	16°, 7%, 100%
XYZ	87.6243, 90.0078, 91.9142
YIQ	244.6160, 9.9490, 1.4130

Conversions

Conversions Part 2

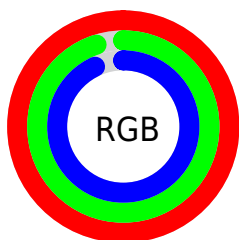
Format	Color
RYB	255, 243, 236
Decimal	16773612
CIELab	96.00, 3.87, 4.09
CIELCh	96, 5.628, 46.539
Yxy	90.0078, 0.3251, 0.3339
Android (android.graphics.Color)	4294963692 (0xFFFFF1EC)
YUV	244.6160, -4.2477, 9.1068
Hunter-Lab	94.8724, -1.1639, 8.9695

Details

The CIELCh color 96, 5.628, 46.539 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 97, 5.394, 227.591, 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, 5.601, 48.222 is the 20% darker color. If you saturate the color by 10%, you get 91, 13.710, 46.194, and if you desaturate by 10%, it is 100, 0.090, 206.753.

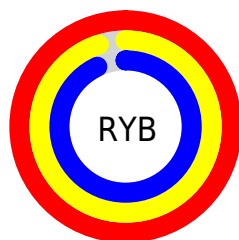
Distribution



Red (100%)

Green (95%)

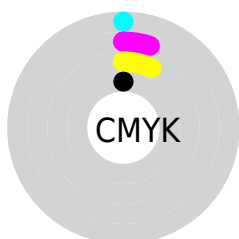
Blue (93%)



Red (100%)

Yellow (95%)

Blue (93%)

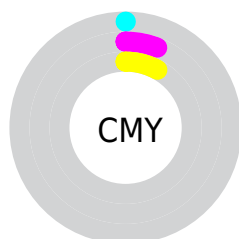


Cyan (0%)

Magenta (5%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 5.628, 46.539 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, 5.628, 46.539 by changing the saturation by 10% instead.

	96, 5.628, 46.539		96, 5.628, 46.539
	100, 5.628, 46.539		86, 5.628, 46.539
			76, 5.628, 46.539
			66, 5.628, 46.539
			56, 5.628, 46.539
			46, 5.628, 46.539
			36, 5.628, 46.539
			26, 5.628, 46.539
			16, 5.628, 46.539
			6, 5.628, 46.539

 96, 5.628, 46.539  96, 5.628, 46.539

 91, 13.710, 46.194 100, 0.090,
206.753

 86, 22.458, 45.865

 81, 31.919, 45.645

 76, 42.111, 45.568

 72, 52.997, 45.651

 68, 64.423, 45.882

 64, 75.998, 46.163

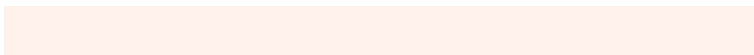
 61, 86.819, 46.205

 58, 95.174, 45.418

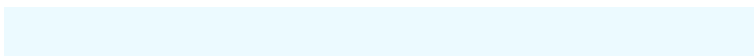
Harmonies

Complementary

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



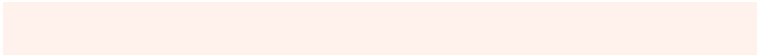
96, 5.628, 46.539



97, 5.394, 227.591

Rectangle

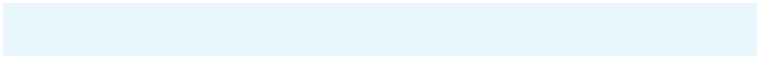
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 5.628, 46.539



96, 5.628, 96.539



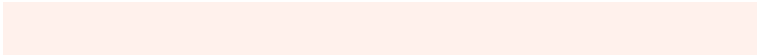
96, 5.628, 226.539



96, 5.628, 276.539

Sweetspot

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



96, 5.627, 46.567



99, 1.476, 46.523



95, 9.955, 332.788



53, 0.839, 46.505



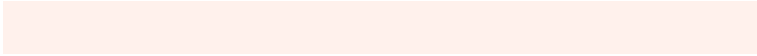
0, 0.000, 0.000



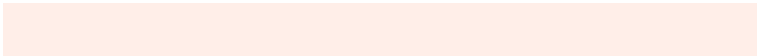
53, 0.007, 296.813

Same Dimension

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



96, 5.627, 46.567



95, 6.839, 46.514



98, 7.421, 96.319



50, 4.329, 46.496



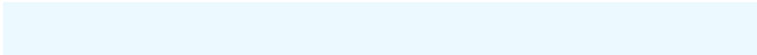
43, 77.684, 45.716



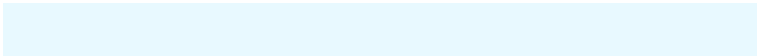
12, 29.058, 41.173

Inverse Universe

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



97, 5.394, 227.591



97, 6.492, 227.673



95, 7.474, 278.181



51, 4.096, 227.702



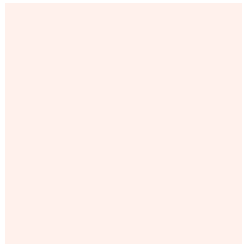
55, 37.467, 249.115



17, 16.653, 242.528

Previews

White Background



This preview shows how the CIELCh color 96, 5.628, 46.539 looks on a white background.

Color Contrast Check

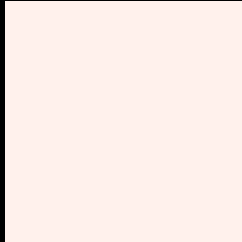
Large Text (above 18pt) WCAG AA × Fail

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, 5.628, 46.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

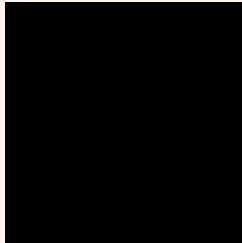
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

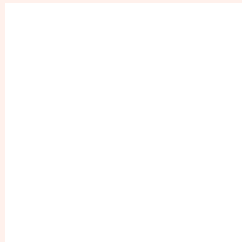
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 5.628, 46.539

Background



This preview shows how black text looks on a background with the CIELCh color 96, 5.628, 46.539.

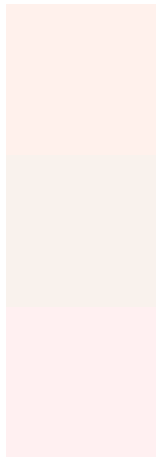


This preview shows how white text looks on a background with the CIELCh color 96, 5.628, 46.539.

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, 5.628, 46.539

Protanopia

96, 3.555, 65.241

Deuteranopia

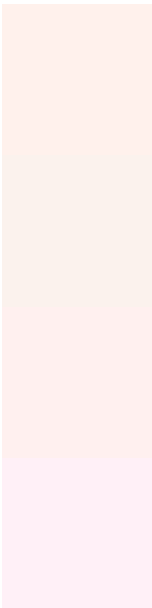
96, 5.379, 14.205



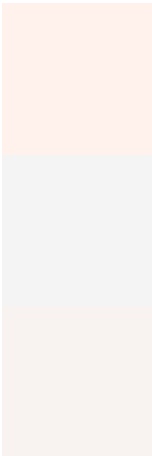
Tritanopia

96, 9.560, 326.487

Trichromacy

	Original Color 96, 5.628, 46.539
	Protanomaly 96, 4.090, 58.018
	Deuteranomaly 96, 5.387, 25.079
	Tritanomaly 96, 6.429, 345.912

Monochromacy

	Original Color 96, 5.628, 46.539
	Achromatopsia 96, 0.011, 296.813
	Achromatomaly 96, 2.033, 49.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 5.628, 46.539 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, 241, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 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(255, 241, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 5.628, 46.539 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, 241, 236) }
```

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

```
.border{ border-color:rgb(255, 241, 236) }
```

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

Here you see how a box with a 4 pixel rgb(255, 241, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 5.628, 46.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 236) }
```

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

```
.background{ background-color: rgb(255,  
241, 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](#).

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