

Converting Colors

CIELCh(100, 23.799, 28.374)

Have a look what the booklet for
CIELCh(100, 23.799, 28.374)
contains.

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Color

CIECh(96, 6.202, 49.202)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1EB
RGB	255, 241, 235
RGB Percent	100%, 95%, 92%
CMY	0.0000, 0.0565, 0.0801
CMYK	0.00, 0.06, 0.08, 0.00
HSL	18°, 100%, 96%
HSV	18°, 8%, 100%
XYZ	87.7222, 90.0078, 91.0272
YIQ	244.5020, 10.2700, 1.1020

Conversions

Conversions Part 2

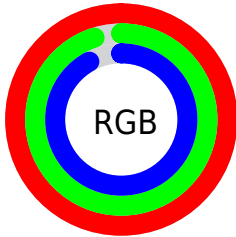
Format	Color
R _Y B	255, 244, 235
Decimal	16773611
CIE Lab	96.00, 4.05, 4.70
CIE LCh	96, 6.202, 49.202
Yxy	90.0078, 0.3264, 0.3349
Android (android.graphics.Color)	4294963691 (0xFFFFF1EB)
YUV	244.5020, -4.6845, 9.2067
Hunter-Lab	94.8724, -0.9798, 9.5238

Details

The CIELCh color **96, 6.202, 49.202** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97, 5.761, 231.518**, 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, 5.885, 52.751** is the 20% darker color. If you saturate the color by 10%, you get **91, 14.060, 49.702**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

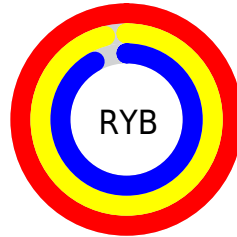
Distribution



Red (100%)

Green (95%)

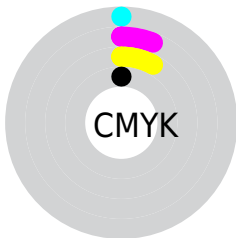
Blue (92%)



Red (100%)

Yellow (96%)

Blue (92%)

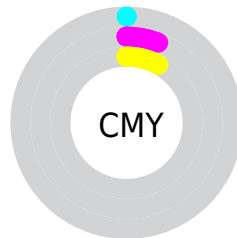


Cyan (0%)

Magenta (6%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 6.202, 49.202 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, 6.202, 49.202 by changing the saturation by 10% instead.

 96, 6.202, 49.202	 96, 6.202, 49.202
 100, 6.202, 49.202	 86, 6.202, 49.202
	 76, 6.202, 49.202
	 66, 6.202, 49.202
	 56, 6.202, 49.202
	 46, 6.202, 49.202
	 36, 6.202, 49.202
	 26, 6.202, 49.202
	 16, 6.202, 49.202
	 6, 6.202, 49.202

96, 6.202, 49.202

96, 6.202, 49.202

91, 14.060, 49.702

100, 0.012,
296.813

86, 22.745, 49.210

81, 32.119, 48.810

77, 42.199, 48.527

72, 52.947, 48.375

68, 64.202, 48.329

65, 75.557, 48.280

62, 86.077, 47.932

59, 94.131, 46.744

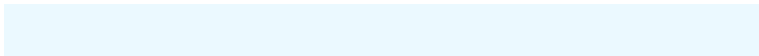
Harmonies

Complementary

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



96, 6.202, 49.202



97, 5.761, 231.518

Rectangle

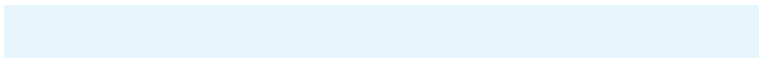
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 6.202, 49.202



96, 6.202, 99.202



96, 6.202, 229.202



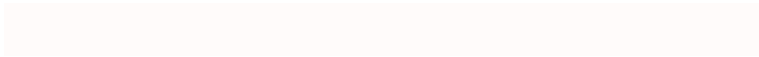
96, 6.202, 279.202

Sweetspot

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



96, 6.015, 50.229



99, 1.466, 50.293



95, 10.451, 334.124



53, 0.833, 50.277



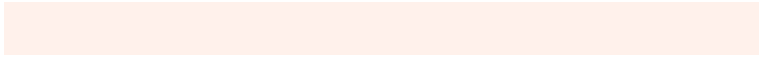
0, 0.000, 0.000



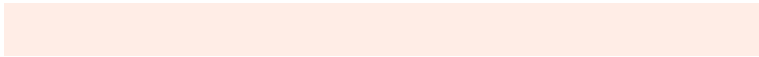
53, 0.007, 296.813

Same Dimension

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



96, 6.015, 50.229



95, 7.569, 50.128



98, 8.264, 98.435



51, 4.295, 50.154



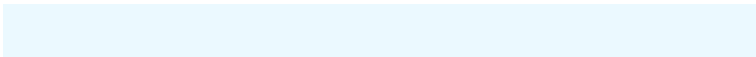
44, 76.458, 47.071



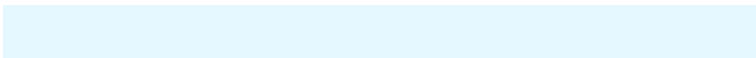
13, 28.633, 43.384

Inverse Universe

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



97, 5.761, 231.518



96, 7.163, 231.660



95, 8.342, 280.376



51, 4.077, 231.623



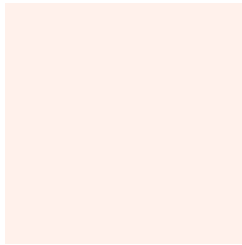
53, 39.127, 255.155



17, 17.139, 248.184

Previews

White Background



This preview shows how the CIE LCh color 96, 6.202, 49.202 looks on a white background.

Color Contrast Check

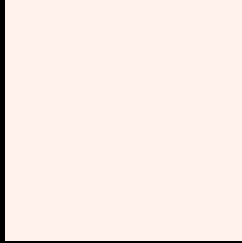
Large Text (above 18pt) WCAG AA × Fail

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, 6.202, 49.202 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

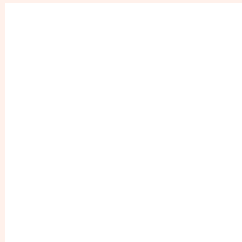
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 6.202, 49.202

Background



This preview shows how black text looks on a background with the CIELCh color 96, 6.202, 49.202.

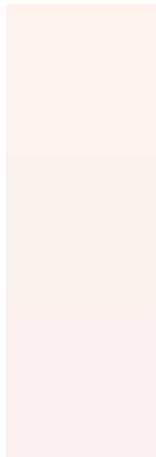


This preview shows how white text looks on a background with the CIELCh color 96, 6.202, 49.202.

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, 5.882, 50.939

Protanopia

96, 3.938, 70.414

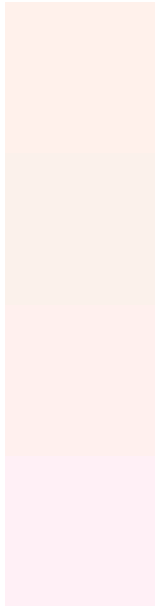
Deuteranopia

96, 5.358, 19.646



Tritanopia
96, 9.153, 328.376

Trichromacy



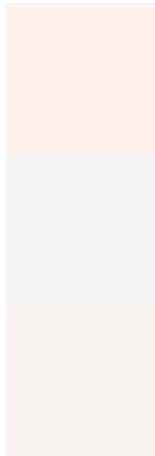
Original Color
96, 5.882, 50.939

Protanomaly
96, 4.701, 60.129

Deuteranomaly
96, 5.464, 30.405

Tritanomaly
96, 6.160, 349.859

Monochromacy



Original Color
96, 5.882, 50.939

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, 6.202, 49.202 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 6.202, 49.202 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, 235) }
```

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

```
.border{ border-color:rgb(255, 241, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 6.202, 49.202 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, 235) }
```

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

```
.background{ background-color: rgb(255,  
241, 235) }
```

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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