

Converting Colors

CIELCh(96, 5.180, 20.000)

Have a look what the booklet for
CIELCh(96, 5.180, 20.000) contains.

CIELCh(96, 5.358, 19.646)	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, 5.358, 19.646)

Conversions

Conversions Part 1	
Format	Color
Hex	FFF0F0
RGB	255, 240, 240
RGB Percent	100%, 94%, 94%
CMY	0.0000, 0.0582, 0.0582
CMYK	0.00, 0.06, 0.06, 0.00
HSL	0°, 100%, 97%
HSV	0°, 6%, 100%
XYZ	88.2605, 90.0078, 95.2860
YIQ	244.4850, 8.9400, 3.1800

Conversions

Conversions Part 2

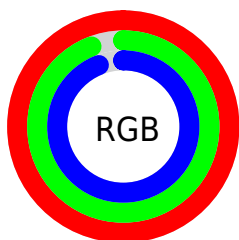
Format	Color
RYB	255, 240, 240
Decimal	16773360
CIELab	96.00, 5.05, 1.80
CIELCh	96, 5.358, 19.646
Yxy	90.0078, 0.3226, 0.3290
Android (android.graphics.Color)	4294963440 (0xFFFFF0F0)
YUV	244.4850, -2.2111, 9.2217
Hunter-Lab	94.8724, 0.0331, 6.8623

Details

The CIELCh color 96, 5.358, 19.646 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 99, 5.105, 199.236, 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, 5.267, 19.738 is the 20% darker color. If you saturate the color by 10%, you get 89, 14.986, 20.490, and if you desaturate by 10%, it is 100, 0.012, 296.813.

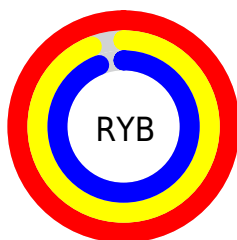
Distribution



Red (100%)

Green (94%)

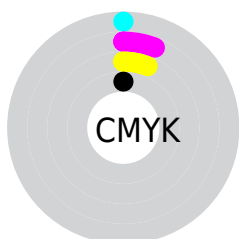
Blue (94%)



Red (100%)

Yellow (94%)

Blue (94%)

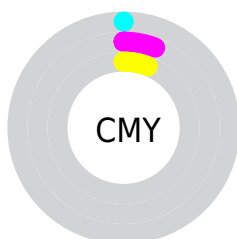


Cyan (0%)

Magenta (6%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (6%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 5.358, 19.646 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, 5.358, 19.646 by changing the saturation by 10% instead.

	96, 5.358, 19.646		96, 5.358, 19.646
	100, 5.358, 19.646		86, 5.358, 19.646
			76, 5.358, 19.646
			66, 5.358, 19.646
			56, 5.358, 19.646
			46, 5.358, 19.646
			36, 5.358, 19.646
			26, 5.358, 19.646
			16, 5.358, 19.646
			6, 5.358, 19.646

 96, 5.358, 19.646  96, 5.358, 19.646

 89, 14.986, 20.490 100, 0.012,
296.813

 83, 25.437, 21.477

 76, 36.622, 22.753


 70, 48.427, 24.423

 65, 60.621, 26.603

 61, 72.852, 29.388

 57, 84.625, 32.759

 55, 95.112, 36.364

 54, 102.489,
39.178

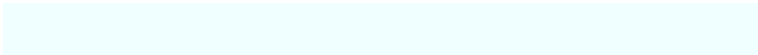
Harmonies

Complementary

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



96, 5.358, 19.646



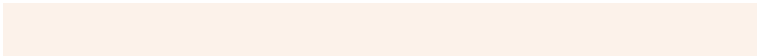
99, 5.105, 199.236

Rectangle

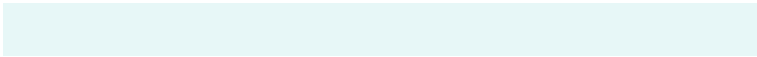
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



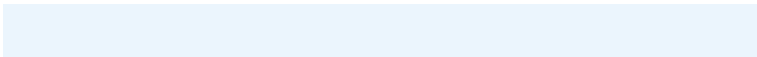
96, 5.358, 19.646



96, 5.358, 69.646



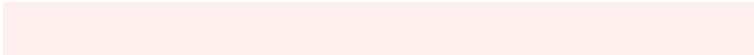
96, 5.358, 199.646



96, 5.358, 249.646

Sweetspot

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



96, 5.297, 19.665



99, 1.794, 19.182



96, 9.248, 324.730



53, 1.020, 19.157



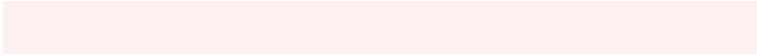
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

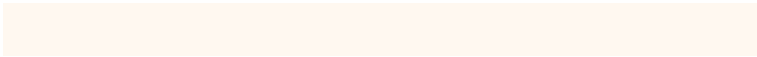
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 5.297, 19.665



95, 6.403, 19.765



98, 4.589, 74.612



50, 4.170, 19.814



40, 84.226, 40.003



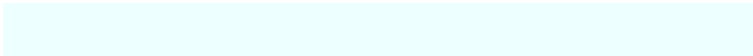
10, 33.361, 27.191

Inverse Universe

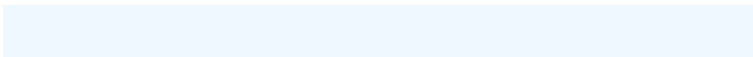
The Inverse Universe completely reimagines the original color for something new.



99, 5.105, 199.236



99, 6.125, 199.151



97, 4.538, 256.256



53, 3.974, 199.110



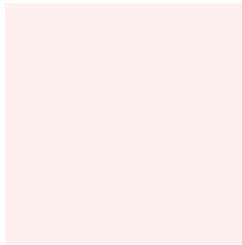
70, 40.348, 196.432



24, 18.563, 196.426

Previews

White Background



This preview shows how the CIELCh color 96, 5.358, 19.646 looks on a white background.

Color Contrast Check

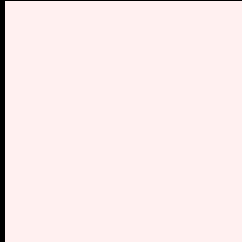
Large Text (above 18pt) WCAG AA × Fail

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, 5.358, 19.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

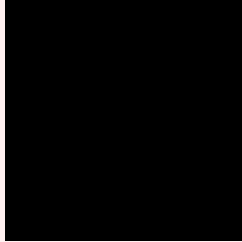
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

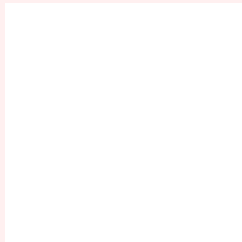
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 5.358, 19.646

Background



This preview shows how black text looks on a background with the CIELCh color 96, 5.358, 19.646.

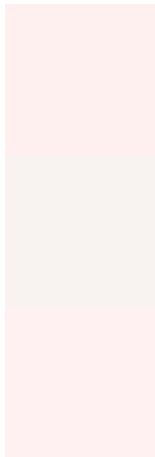


This preview shows how white text looks on a background with the CIELCh color 96, 5.358, 19.646.

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, 5.358, 19.646

Protanopia

96, 2.182, 32.792

Deuteranopia

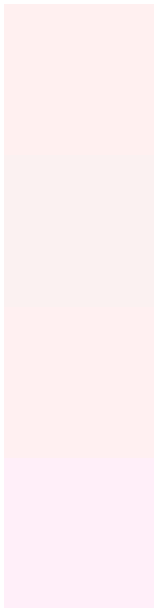
96, 5.448, 8.855



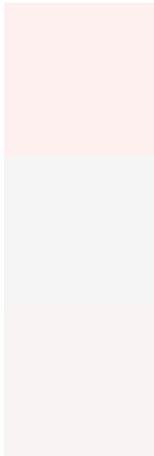
Tritanopia

96, 9.560, 326.487

Trichromacy

	Original Color 96, 5.358, 19.646
	Protanomaly 96, 3.556, 19.464
	Deuteranomaly 96, 5.379, 14.205
	Tritanomaly 96, 7.657, 337.891

Monochromacy

	Original Color 96, 5.358, 19.646
	Achromatopsia 97, 0.011, 296.813
	Achromatomaly 96, 2.124, 19.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 5.358, 19.646 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 240)  
}
```

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, 240) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 96, 5.358, 19.646 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, 240) }
```

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

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

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, 240) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 96, 5.358, 19.646 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, 240) }
```

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

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

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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