

Converting Colors

CIE LCh(96, 5.164, 262.997)

Have a look what the booklet for
CIELCh(96, 5.164, 262.997) contains.

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Color

CIELCh(96, 5.170, 262.775)

Conversions

Conversions Part 1

Format	Color
Hex	EDF4FD
RGB	237, 244, 253
RGB Percent	93%, 96%, 99%
CMY	0.0696, 0.0421, 0.0068
CMYK	0.06, 0.04, 0.00, 0.01
HSL	214°, 82%, 96%
HSV	214°, 6%, 99%
XYZ	85.2045, 90.0078, 106.0215
YIQ	242.9330, -7.0610, 1.3150

Conversions

Conversions Part 2

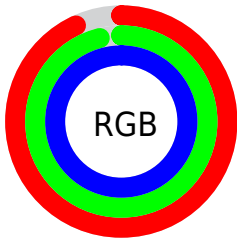
Format	Color
R _Y B	237, 242, 253
Decimal	15594749
CIE Lab	96.00, -0.65, -5.13
CIE LCh	96, 5.170, 262.775
Yxy	90.0078, 0.3030, 0.3200
Android (android.graphics.Color)	4293784829 (0xFFEDF4FD)
YUV	242.9330, 4.9630, -5.2032
Hunter-Lab	94.8724, -5.7167, 0.1532

Details

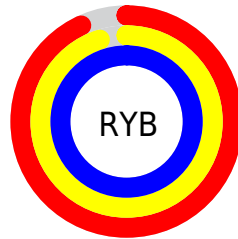
The CIELCh color **96, 5.170, 262.775** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97, 5.203, 80.975**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 4.952, 260.002** is the 20% darker color. If you saturate the color by 10%, you get **91, 13.344, 264.210**, and if you desaturate by 10%, it is **100, 0.874, 110.024**.

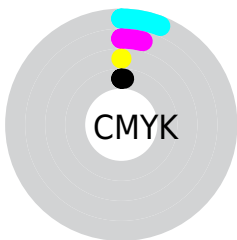
Distribution



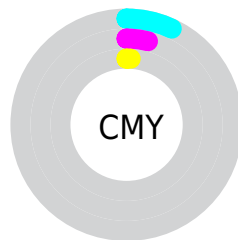
- Red (93%)
- Green (96%)
- Blue (99%)



- Red (93%)
- Yellow (95%)
- Blue (99%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (7%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 5.170, 262.775 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, 5.170, 262.775 by changing the saturation by 10% instead.

96, 5.170, 262.775

96, 5.170, 262.775

100, 5.170,
262.775

86, 5.170, 262.775

76, 5.170, 262.775

66, 5.170, 262.775

56, 5.170, 262.775

46, 5.170, 262.775

36, 5.170, 262.775

26, 5.170, 262.775

16, 5.170, 262.775

6, 5.170, 262.775

96, 5.170, 262.775

96, 5.170, 262.775

91, 13.344,
264.210

100, 0.874,
110.024

85, 21.516,
265.970

80, 29.671,
268.058

75, 37.804,
270.526

70, 45.933,
273.422

65, 54.098,
276.771

60, 62.370,
280.553

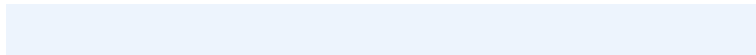
56, 70.832,
284.673

■ 51,79.527,
288.943

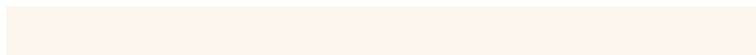
Harmonies

Complementary

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



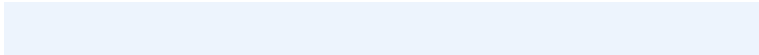
96, 5.170, 262.775



97, 5.203, 80.975

Rectangle

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



96, 5.170, 262.775



96, 5.170, 312.775



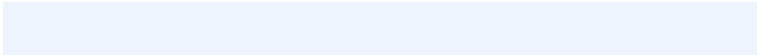
96, 5.170, 82.775



96, 5.170, 132.775

Sweetspot

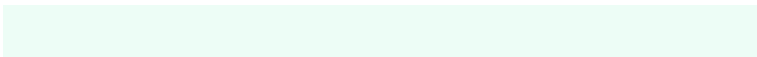
The Sweet Spot groups the original color and five complimentary colors.



96, 5.169, 262.752



99, 1.651, 262.332



98, 6.718, 165.965



53, 0.939, 262.331



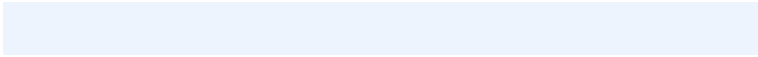
0, 0.000, 0.000



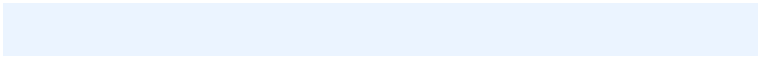
53, 0.007, 296.813

Same Dimension

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



96, 5.169, 262.752



96, 6.580, 262.973



94, 8.252, 292.738



50, 4.676, 263.180



38, 65.841, 289.701



11, 26.540, 283.661

Inverse Universe

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



95, 6.743, 347.628



95, 8.606, 347.798



99, 8.119, 111.579



50, 6.129, 347.948



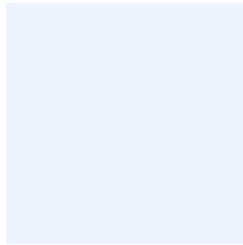
41, 68.025, 8.133



10, 31.424, 1.607

Previews

White Background



This preview shows how the CIE LCh color 96, 5.170, 262.775 looks on a white background.

Color Contrast Check

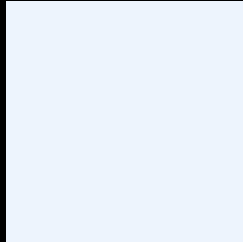
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 96, 5.170, 262.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

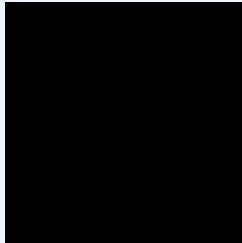
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

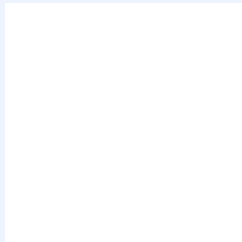
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 5.170, 262.775

Background



This preview shows how black text looks on a background with the CIELCh color 96, 5.170, 262.775.

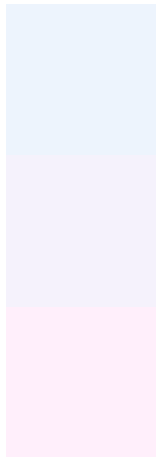


This preview shows how white text looks on a background with the CIELCh color 96, 5.170, 262.775.

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, 5.170, 262.775

Protanopia

96, 5.254, 302.020

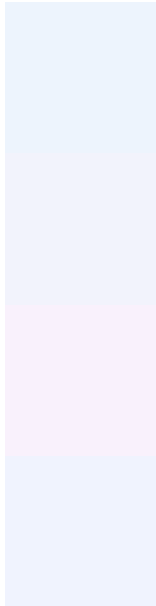
Deuteranopia

96, 8.376, 332.702



Tritanopia
96, 6.184, 284.270

Trichromacy



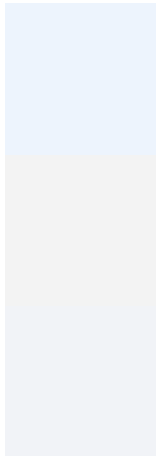
Original Color
96, 5.170, 262.775

Protanomaly
96, 4.628, 286.256

Deuteranomaly
96, 6.331, 316.739

Tritanomaly
96, 5.722, 280.218

Monochromacy



Original Color
96, 5.170, 262.775

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 2.164, 271.557

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 5.170, 262.775 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(237, 244, 253)` looks like.

```
.text, #text, p{  
    color:rgb(237, 244, 253)  
}
```

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(237, 244, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 244, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 5.170, 262.775 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(237, 244, 253) }
```

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

```
.border{ border-color:rgb(237, 244, 253) }
```

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

Here you see how a box with a 4 pixel rgb(237, 244, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 244, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 244, 253);  
box-shadow:4px 4px 4px 4px rgb(237, 244,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 5.170, 262.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 244, 253) }
```

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

```
.background{ background-color: rgb(237,  
244, 253) }
```

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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