

Converting Colors

CIELCh(96, 5.688, 239.721)

Have a look what the booklet for
CIELCh(96, 5.688, 239.721) contains.

CIELCh(96, 5.668, 238.611)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(96, 5.668, 238.611)

Conversions

Conversions Part 1

Format	Color
Hex	E9F6FD
RGB	233, 246, 253
RGB Percent	91%, 96%, 99%
CMY	0.0877, 0.0368, 0.0093
CMYK	0.08, 0.03, 0.00, 0.01
HSL	201°, 81%, 95%
HSV	201°, 8%, 99%
XYZ	83.9898, 90.0078, 105.5562
YIQ	242.9110, -9.9950, -0.5790

Conversions

Conversions Part 2

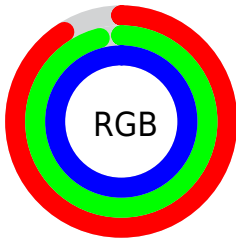
Format	Color
R _Y B	233, 241, 253
Decimal	15333117
CIE _{Lab}	96.00, -2.95, -4.84
CIE _{LCh}	96, 5.668, 238.611
Y _{xy}	90.0078, 0.3004, 0.3220
Android (android.graphics.Color)	4293523197 (0xFFE9F6FD)
Y _{UV}	242.9110, 4.9739, -8.6919
Hunter-Lab	94.8724, -8.0021, 0.4440

Details

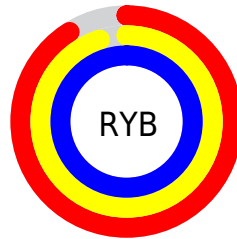
The CIELCh color **96, 5.668, 238.611** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 5.880, 56.965**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 5.611, 234.394** is the 20% darker color. If you saturate the color by 10%, you get **92, 12.589, 239.680**, and if you desaturate by 10%, it is **100, 0.940, 98.461**.

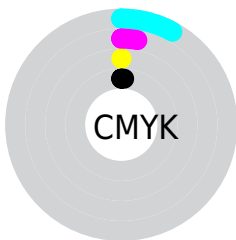
Distribution



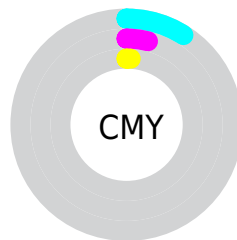
- Red (91%)
- Green (96%)
- Blue (99%)



- Red (91%)
- Yellow (95%)
- Blue (99%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)



- Cyan (9%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 5.668, 238.611 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, 5.668, 238.611 by changing the saturation by 10% instead.

96, 5.668, 238.611

96, 5.668, 238.611

100, 5.668,
238.611

86, 5.668, 238.611

76, 5.668, 238.611

66, 5.668, 238.611

56, 5.668, 238.611

46, 5.668, 238.611

36, 5.668, 238.611

26, 5.668, 238.611

16, 5.668, 238.611

6, 5.668, 238.611

96, 5.668, 238.611

96, 5.668, 238.611

92, 12.589,
239.680

100, 0.940, 98.461

88, 19.186,
241.090

100, 1.196,
110.024

84, 25.387,
242.856

81, 31.126,
245.054

77, 36.352,
247.771

74, 41.056,
251.091

71, 45.285,
255.069

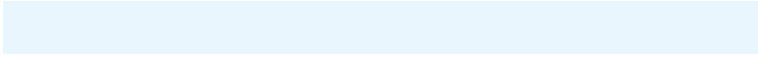
68, 49.166,
259.697

■ 65, 52.905,
264.835

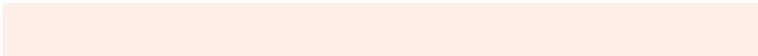
Harmonies

Complementary

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



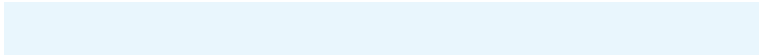
96, 5.668, 238.611



95, 5.880, 56.965

Rectangle

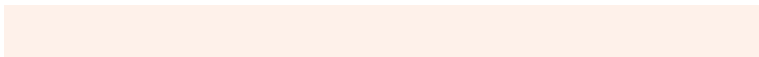
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 5.668, 238.611



96, 5.668, 288.611



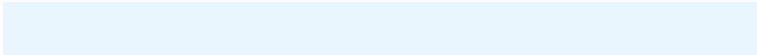
96, 5.668, 58.611



96, 5.668, 108.611

Sweetspot

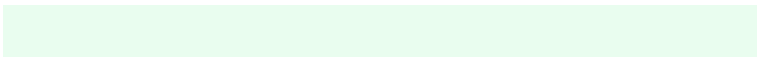
The Sweet Spot groups the original color and five complimentary colors.



96, 5.668, 238.587



99, 1.461, 238.308



97, 9.835, 155.135



53, 0.831, 238.319



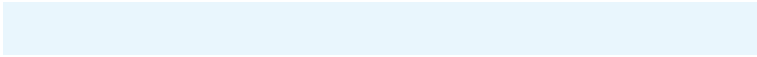
0, 0.000, 0.000



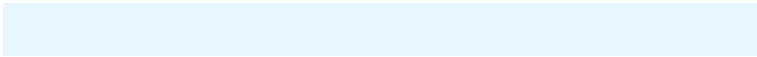
53, 0.007, 296.813

Same Dimension

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



96, 5.668, 238.587



96, 6.481, 238.689



94, 8.649, 283.273



51, 4.090, 238.738



50, 43.083, 264.948



15, 18.395, 257.684

Inverse Universe

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



94, 9.775, 336.900



94, 11.209, 336.986



98, 8.544, 101.438



50, 7.084, 337.025



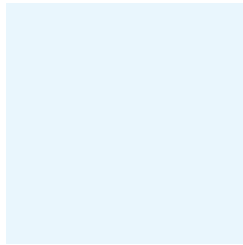
42, 72.142, 348.786



11, 34.022, 345.516

Previews

White Background



This preview shows how the CIELCh color 96, 5.668, 238.611 looks on a white background.

Color Contrast Check

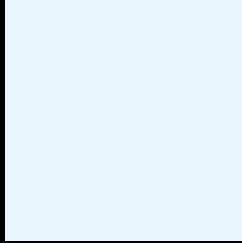
Large Text (above 18pt) WCAG AA × Fail

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, 5.668, 238.611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

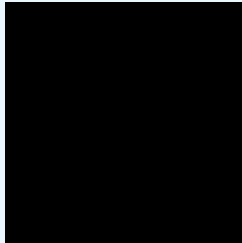
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

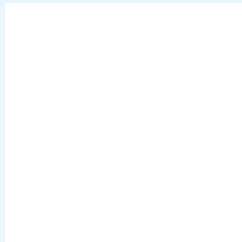
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 5.668, 238.611

Background



This preview shows how black text looks on a background with the CIELCh color 96, 5.668, 238.611.



This preview shows how white text looks on a background with the CIELCh color 96, 5.668, 238.611.

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](#).

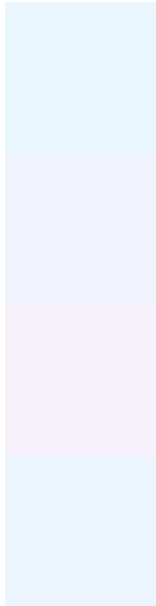
Dichromacy





Tritanopia
96, 5.971, 270.445

Trichromacy



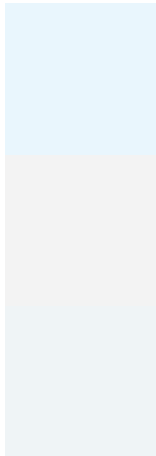
Original Color
96, 5.668, 238.611

Protanomaly
96, 4.221, 276.264

Deuteranomaly
96, 5.572, 312.617

Tritanomaly
96, 5.506, 256.410

Monochromacy



Original Color
96, 5.668, 238.611

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 2.014, 230.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 5.668, 238.611 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(233, 246, 253)` looks like.

```
.text, #text, p{  
    color:rgb(233, 246, 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(233, 246, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 246, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 5.668, 238.611 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(233, 246, 253) }
```

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

```
.border{ border-color:rgb(233, 246, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 246, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 246, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 246, 253);  
box-shadow:4px 4px 4px 4px rgb(233, 246,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 5.668, 238.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 246, 253) }
```

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

```
.background{ background-color: rgb(233,  
246, 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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