

# Converting Colors

CIELCh(96, 96.564, 107.190)

Have a look what the booklet for  
CIELCh(96, 96.564, 107.190)  
contains.

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**Color**

**CIELCh(96, 96.424, 107.125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEFF0D
RGB	238, 255, 13
RGB Percent	93%, 100%, 5%
CMY	0.0652, 0.0000, 0.9478
CMYK	0.07, 0.00, 0.95, 0.00
HSL	64°, 100%, 53%
HSV	64°, 95%, 100%
XYZ	71.3256, 90.0078, 14.0038
YIQ	222.3290, 67.5500, -78.8660

# Conversions

## Conversions Part 2

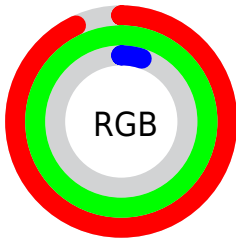
Format	Color
R <sub>Y</sub> B	13, 255, 30
Decimal	15662861
CIE Lab	96.00, -28.39, 92.15
CIE LCh	96, 96.424, 107.125
Yxy	90.0078, 0.4068, 0.5133
Android (android.graphics.Color)	4293852941 (0xFFEEFF0D)
YUV	222.3290, -103.1992, 13.7435
Hunter-Lab	94.8724, -31.8295, 57.6591

# Details

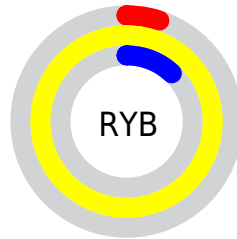
The CIELCh color **96, 96.424, 107.125** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **34, 131.082, 306.202**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **97, 74.840, 104.461**, and **76, 80.747, 109.352** is the 20% darker color. If you saturate the color by 10%, you get **96, 97.266, 107.168**, and if you desaturate by 10%, it is **96, 92.837, 106.986**.

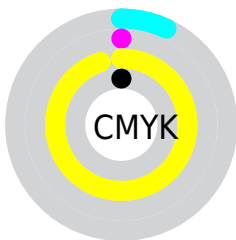
# Distribution



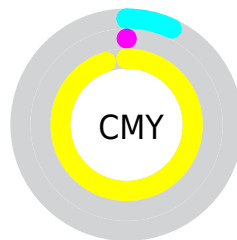
- Red (93%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (12%)



- Cyan (7%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (95%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 96.424, 107.125 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, 96.424, 107.125 by changing the saturation by 10% instead.





 96, 96.424,  
107.125


 96, 96.424,  
107.125


 100, 96.424,  
107.125


 86, 96.424,  
107.125

 76, 96.424,  
107.125

 66, 96.424,  
107.125


 56, 96.424,  
107.125

 46, 96.424,  
107.125


 36, 96.424,  
107.125


 26, 96.424,


107.125


 16, 96.424,  
107.125


 6, 96.424, 107.125

 96, 96.424,  
107.125


 96, 96.424,  
107.125

 96, 97.266,  
107.168

 96, 92.837,  
106.986

 96, 86.635,  
107.204

 97, 78.106,  
107.660

 97, 67.870,  
108.292

■ 97, 56.495,  
109.043

■ 98, 44.400,  
109.868

■ 98, 31.871,  
110.730

■ 99, 19.092,  
111.604

■ 100, 6.185,  
112.469

# Harmonies

# Complementary

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



96, 96.424, 107.125



34, 131.082, 306.202

# Rectangle

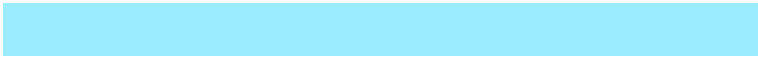
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 96.424, 107.125



96, 96.424, 157.125



96, 96.424, 287.125



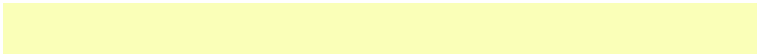
96, 96.424, 337.125

# Sweetspot

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



96, 96.309, 107.048



98, 35.934, 110.450



54, 100.733, 39.773



52, 24.728, 110.078



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, 96.309, 107.048



96, 97.266, 107.168



90, 109.876, 129.801



53, 7.350, 112.063



74, 78.333, 107.095



26, 35.590, 106.792



# Inverse Universe

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



34, 131.082, 306.202



33, 133.490, 306.436



44, 121.234, 313.691



49, 7.516, 293.764



23, 107.432, 306.486

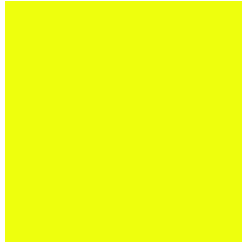


4, 44.291, 303.128



# Previews

## White Background



This preview shows how the CIELCh color 96, 96.424, 107.125 looks on a white background.

## Color Contrast Check

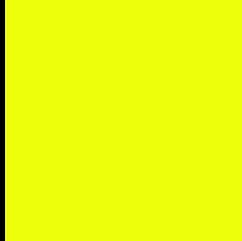
Large Text (above 18pt) WCAG AA × Fail

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, 96.424, 107.125 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, 96.424, 107.125

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 96.424, 107.125.

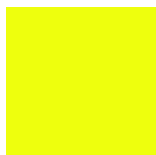


This preview shows how white text looks on a background with the CIELCh color 96, 96.424, 107.125.

# 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



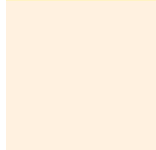
### Original Color

96, 96.346, 107.134



### Protanopia

96, 24.364, 97.480



### Deuteranopia

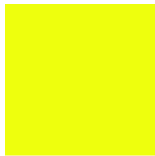
96, 10.072, 78.885



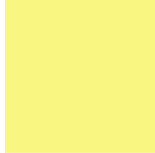


**Tritanopia**  
96, 10.185, 326.406

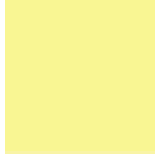
# Trichromacy



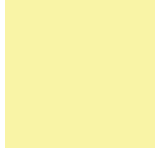
**Original Color**  
96, 96.346, 107.134



**Protanomaly**  
95, 57.922, 104.834

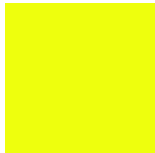


**Deuteranomaly**  
95, 49.547, 104.896

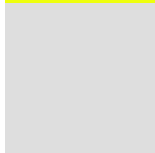


**Tritanomaly**  
95, 39.454, 104.211

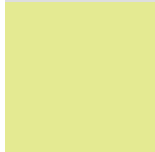
# Monochromacy



**Original Color**  
96, 96.346, 107.134



**Achromatopsia**  
88, 0.011, 296.813



**Achromatomaly**  
91, 44.652, 109.615

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 96.424, 107.125 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(238, 255, 13)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 13)  
}
```

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(238, 255, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 13) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 96.424, 107.125 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(238, 255, 13) }
```

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

```
.border{ border-color:rgb(238, 255, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 255, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 13);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
13) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 96.424, 107.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 13) }
```

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

```
.background{ background-color: rgb(238,  
255, 13) }
```

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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