

# Converting Colors

CIELCh(79, 71.384, 87.286)

Have a look what the booklet for  
CIELCh(79, 71.384, 87.286) contains.

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# **Color**

**CIELCh(79, 71.302, 87.062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECBE32
RGB	236, 190, 50
RGB Percent	93%, 75%, 20%
CMY	0.0742, 0.2546, 0.8036
CMYK	0.00, 0.19, 0.79, 0.07
HSL	45°, 83%, 56%
HSV	45°, 79%, 93%
XYZ	53.6181, 54.9284, 10.8016
YIQ	187.7940, 72.3560, -33.7880

# Conversions

## Conversions Part 2

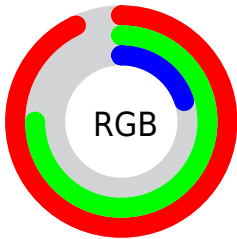
Format	Color
<a href="#">RYB</a>	<a href="#">111, 236, 50</a>
Decimal	<a href="#">15515186</a>
CIELab	<a href="#">79.00, 3.65, 71.21</a>
CIELCh	<a href="#">79, 71.302, 87.062</a>
Yxy	<a href="#">54.9284, 0.4493, 0.4602</a>
Android (android.graphics.Color)	<a href="#">4293705266 (0xFFECBE32)</a>
YUV	<a href="#">187.7940, -67.9324, 42.2767</a>
Hunter-Lab	<a href="#">74.1137, -0.5617, 43.2384</a>

# Details

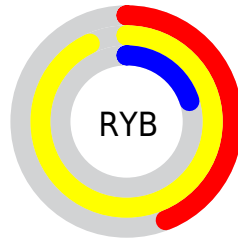
The CIELCh color **79, 71.302, 87.062** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **46, 82.317, 294.593**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 67.336, 101.731**, and **59, 64.140, 86.043** is the 20% darker color. If you saturate the color by 10%, you get **77, 76.376, 85.429**, and if you desaturate by 10%, it is **81, 64.120, 88.542**.

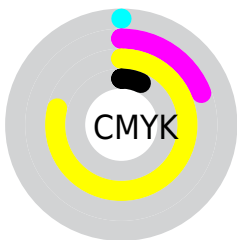
# Distribution



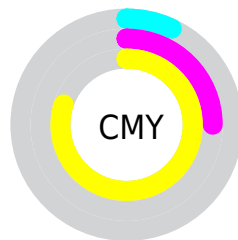
- Red (93%)
- Green (75%)
- Blue (20%)



- Red (44%)
- Yellow (93%)
- Blue (20%)



- Cyan (0%)
- Magenta (19%)
- Yellow (79%)
- Black (7%)



- Cyan (7%)
- Magenta (25%)
- Yellow (80%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 71.302, 87.062 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 79, 71.302, 87.062 by changing the saturation by 10% instead.



 79, 71.302, 87.062

 79, 71.302, 87.062

 100, 71.302,  
87.062

 69, 71.302, 87.062

 99, 71.302, 87.062

 59, 71.302, 87.062

 49, 71.302, 87.062

 39, 71.302, 87.062

 29, 71.302, 87.062

 19, 71.302, 87.062

 9, 71.302, 87.062

 0, 71.302, 87.062

 79, 71.302, 87.062

 79, 71.302, 87.062

77, 76.376, 85.429

81, 64.120, 88.542

76, 78.824, 83.542

82, 55.637, 89.937

76, 79.052, 83.308

84, 46.455, 91.286

86, 36.953, 92.603

88, 27.348, 93.890

90, 17.761, 95.143

92, 8.254, 96.349

94, 1.143, 277.734

96, 6.704, 271.135

# Harmonies

# Complementary

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



79, 71.302, 87.062



46, 82.317, 294.593

# Rectangle

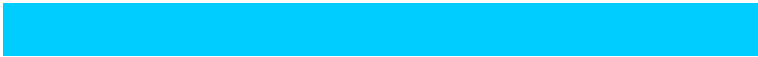
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 71.302, 87.062



79, 71.302, 137.062



79, 71.302, 267.062



79, 71.302, 317.062

# Sweetspot

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



79, 71.301, 87.065



95, 24.220, 94.482



53, 73.564, 15.552



50, 16.666, 94.031



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



79, 71.301, 87.065



82, 82.922, 84.206



88, 86.411, 116.215



48, 5.311, 96.269



59, 64.889, 83.691



17, 24.752, 86.498





# Inverse Universe

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



46, 82.317, 294.593



41, 107.214, 299.883



39, 106.981, 307.100



46, 5.353, 278.612



27, 85.466, 300.671



5, 29.551, 292.296



# Previews

## White Background



This preview shows how the CIELCh color 79, 71.302, 87.062 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 79, 71.302, 87.062 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 79, 71.302, 87.062

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 71.302, 87.062.



This preview shows how white text looks on a background with the CIELCh color 79, 71.302, 87.062.

# 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


79, 71.302, 87.062

### Protanopia

79, 70.305, 95.084

### Deuteranopia

79, 71.681, 81.925



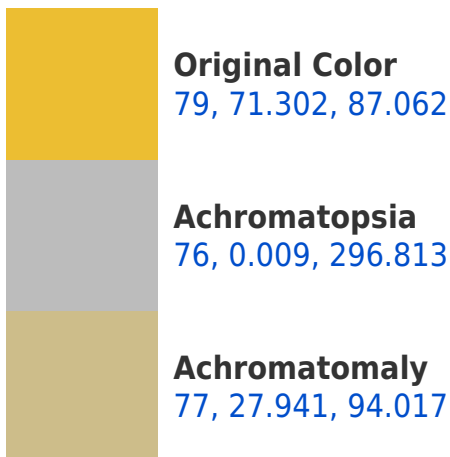
**Tritanopia**  
79, 26.878, 5.864



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 71.302, 87.062 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(236, 190, 50)` looks like.

```
.text, #text, p{  
    color:rgb(236, 190, 50)  
}
```

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(236, 190, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 190, 50) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 71.302, 87.062 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(236, 190, 50) }
```

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

```
.border{ border-color:rgb(236, 190, 50) }
```

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

Here you see how a box with a 4 pixel rgb(236, 190, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 190, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 190, 50);  
box-shadow:4px 4px 4px 4px rgb(236, 190,  
50) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 71.302, 87.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 190, 50) }
```

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

```
.background{ background-color: rgb(236,  
190, 50) }
```

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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