

# Converting Colors

CIELCh(84, 63.854, 95.907)

Have a look what the booklet for  
CIELCh(84, 63.854, 95.907) contains.

<b>CIELCh(84, 64.017, 95.706)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(84, 64.017, 95.706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9D253
RGB	233, 210, 83
RGB Percent	91%, 82%, 33%
CMY	0.0861, 0.1763, 0.6744
CMYK	0.00, 0.10, 0.64, 0.09
HSL	51°, 77%, 62%
HSV	51°, 64%, 91%
XYZ	58.2347, 64.0658, 17.4874
YIQ	202.3990, 54.4750, -34.6210

# Conversions

## Conversions Part 2

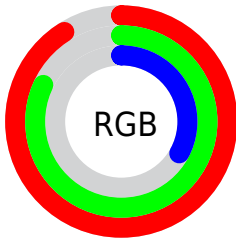
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 233, 83
Decimal	15323731
CIELab	84.00, -6.36, 63.70
CIELCh	84, 64.017, 95.706
Yxy	64.0658, 0.4166, 0.4583
Android (android.graphics.Color)	4293513811 (0xFFE9D253)
YUV	202.3990, -58.8637, 26.8371
Hunter-Lab	80.0411, -10.2024, 43.0750

# Details

The CIELCh color **84, 64.017, 95.706** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **50, 73.821, 294.858**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 57.693, 105.762**, and **64, 63.954, 95.768** is the 20% darker color. If you saturate the color by 10%, you get **83, 71.739, 94.573**, and if you desaturate by 10%, it is **85, 55.056, 96.861**.

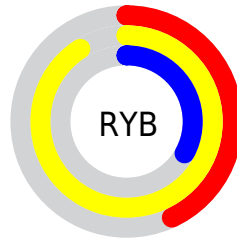
# Distribution



Red (91%)

Green (82%)

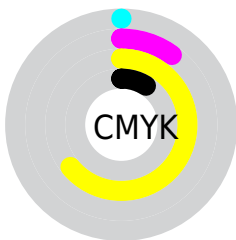
Blue (33%)



Red (43%)

Yellow (91%)

Blue (33%)

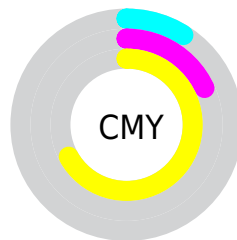


Cyan (0%)

Magenta (10%)

Yellow (64%)

Black (9%)



Cyan (9%)

Magenta (18%)

Yellow (67%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 64.017, 95.706 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 84, 64.017, 95.706 by changing the saturation by 10% instead.



 84, 64.017, 95.706

 84, 64.017, 95.706

 100, 64.017,  
95.706

 74, 64.017, 95.706

 64, 64.017, 95.706

 54, 64.017, 95.706

 44, 64.017, 95.706

 34, 64.017, 95.706

 24, 64.017, 95.706

 14, 64.017, 95.706

 4, 64.017, 95.706

 0, 64.017, 95.706

84, 64.017, 95.706

84, 64.017, 95.706

83, 71.739, 94.573

85, 55.056, 96.861

82, 77.532, 93.445

86, 45.373, 98.024

81, 80.748, 92.294

88, 35.307, 99.189

80, 81.612, 91.626

89, 25.062,  
100.344

90, 14.759,  
101.477

92, 4.468, 102.563

93, 5.771, 283.696

94, 8.608, 278.043

95, 7.227, 265.048

# Harmonies

# Complementary

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



84, 64.017, 95.706



50, 73.821, 294.858

# Rectangle

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



84, 64.017, 95.706



84, 64.017, 145.706



84, 64.017, 275.706



84, 64.017, 325.706

# Sweetspot

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



84, 64.017, 95.709



97, 21.015, 100.945



57, 62.197, 16.734



51, 14.467, 100.618



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



84, 64.017, 95.709



90, 78.918, 94.234



87, 75.260, 119.904



49, 5.860, 102.019



64, 67.650, 91.830



19, 26.752, 93.980





# Inverse Universe

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



50, 73.821, 294.858



46, 96.887, 298.490



48, 86.993, 307.789



46, 5.946, 284.182



24, 94.638, 303.767



4, 31.952, 294.697



# Previews

## White Background



This preview shows how the CIELCh color 84, 64.017, 95.706 looks on a white background.

## Color Contrast Check

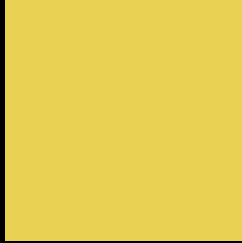
Large Text (above 18pt) WCAG AA × Fail

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 84, 64.017, 95.706 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 84, 64.017, 95.706

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 64.017, 95.706.



This preview shows how white text looks on a background with the CIELCh color 84, 64.017, 95.706.

# 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

84, 64.017, 95.706

### Protanopia

84, 64.096, 95.325

### Deuteranopia

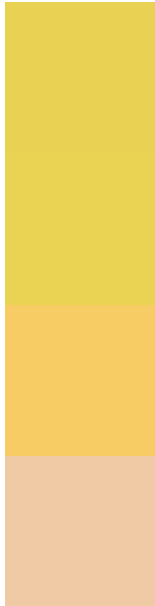
84, 52.773, 79.456



**Tritanopia**  
84, 19.045, 356.587



# Trichromacy



**Original Color**  
84, 64.017, 95.706

**Protanomaly**  
84, 64.096, 95.325

**Deuteranomaly**  
84, 56.614, 86.356

**Tritanomaly**  
84, 24.865, 70.811

# Monochromacy



**Original Color**  
84, 64.017, 95.706

**Achromatopsia**  
81, 0.010, 296.813

**Achromatomaly**  
82, 24.363, 100.538

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 64.017, 95.706 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, 210, 83)` looks like.

```
.text, #text, p{  
    color:rgb(233, 210, 83)  
}
```

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, 210, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 210, 83) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 64.017, 95.706 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, 210, 83) }
```

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

```
.border{ border-color:rgb(233, 210, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 210, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 210, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 210, 83);  
box-shadow:4px 4px 4px 4px rgb(233, 210,  
83) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 64.017, 95.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 210, 83) }
```

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

```
.background{ background-color: rgb(233,  
210, 83) }
```

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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