

Converting Colors

CIELCh(84, 76.869, 95.010)

Have a look what the booklet for
CIELCh(84, 76.869, 95.010) contains.

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Color

CIELCh(84, 76.869, 95.010)

Conversions

Conversions Part 1

Format	Color
Hex	ECD22F
RGB	236, 210, 47
RGB Percent	93%, 82%, 18%
CMY	0.0749, 0.1768, 0.8161
CMYK	0.00, 0.11, 0.80, 0.07
HSL	52°, 83%, 55%
HSV	52°, 80%, 93%
XYZ	58.0916, 64.0658, 11.9809
YIQ	199.1920, 67.8190, -45.1810

Conversions

Conversions Part 2

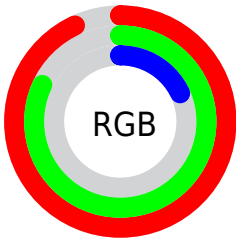
Format	Color
RYB	77, 236, 47
Decimal	15520303
CIELab	84.00, -6.71, 76.58
CIELCh	84, 76.869, 95.010
Yxy	64.0658, 0.4331, 0.4776
Android (android.graphics.Color)	4293710383 (0xFFECD22F)
YUV	199.1920, -75.0307, 32.2806
Hunter-Lab	80.0411, -10.5215, 47.1540

Details

The CIELCh color **84, 76.869, 95.010** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **40, 96.725, 299.883**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 70.820, 104.763**, and **64, 67.820, 94.989** is the 20% darker color. If you saturate the color by 10%, you get **83, 81.242, 93.965**, and if you desaturate by 10%, it is **85, 70.119, 96.078**.

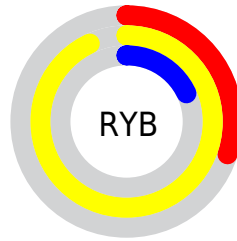
Distribution



Red (93%)

Green (82%)

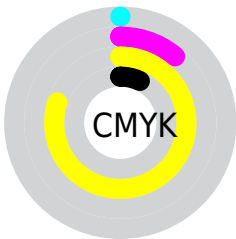
Blue (18%)



Red (30%)

Yellow (93%)

Blue (18%)

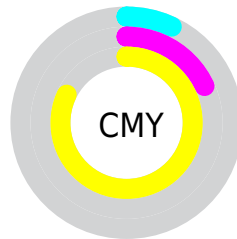


Cyan (0%)

Magenta (11%)

Yellow (80%)

Black (7%)



Cyan (7%)

Magenta (18%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 76.869, 95.010 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, 76.869, 95.010 by changing the saturation by 10% instead.

■ 84, 76.869, 95.010

■ 84, 76.869, 95.010

■ 100, 76.869,
95.010

■ 74, 76.869, 95.010

■ 64, 76.869, 95.010

■ 54, 76.869, 95.010

■ 44, 76.869, 95.010

■ 34, 76.869, 95.010

■ 24, 76.869, 95.010

■ 14, 76.869, 95.010

■ 4, 76.869, 95.010

■ 0, 76.869, 95.010

84, 76.869, 95.010

84, 76.869, 95.010

83, 81.242, 93.965

85, 70.119, 96.078

82, 83.110, 92.920

86, 61.691, 97.174

87, 52.217, 98.296

88, 42.145, 99.434

89, 31.759,
100.574

91, 21.232,
101.703

92, 10.666,
102.807

93, 0.119, 102.722

95, 8.235, 283.167

Harmonies

Complementary

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



84, 76.869, 95.010



40, 96.725, 299.883

Rectangle

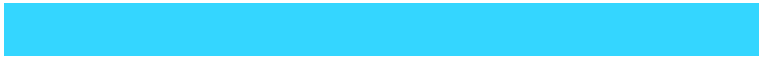
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 76.869, 95.010



84, 76.869, 145.010



84, 76.869, 275.010



84, 76.869, 325.010

Sweetspot

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



84, 76.869, 95.013



97, 26.972, 101.256



52, 77.219, 24.112



51, 18.524, 100.852



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, 76.869, 95.013



89, 87.584, 93.301



86, 89.390, 120.748



49, 5.957, 102.879



65, 68.259, 93.107



19, 27.125, 95.109

Inverse Universe

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



40, 96.725, 299.883



36, 122.159, 303.838



41, 107.197, 309.096



45, 6.051, 285.013



24, 95.914, 304.155



4, 32.338, 295.045

Previews

White Background



This preview shows how the CIELCh color 84, 76.869, 95.010 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, 76.869, 95.010 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, 76.869, 95.010

Background



This preview shows how black text looks on a background with the CIELCh color 84, 76.869, 95.010.



This preview shows how white text looks on a background with the CIELCh color 84, 76.869, 95.010.

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, 76.869, 95.010

Protanopia

84, 76.869, 95.010

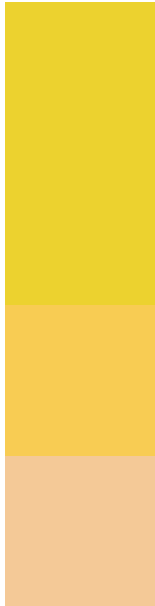
Deuteranopia

84, 55.622, 80.993



Tritanopia
84, 20.787, 358.934

Trichromacy



Original Color
84, 76.869, 95.010

Protanomaly
84, 76.869, 95.010

Deuteranomaly
84, 64.033, 87.355

Tritanomaly
84, 31.880, 74.410

Monochromacy



Original Color
84, 76.869, 95.010

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 31.147, 100.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 76.869, 95.010 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, 210, 47)` looks like.

```
.text, #text, p{  
    color:rgb(236, 210, 47)  
}
```

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, 210, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 210, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 76.869, 95.010 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, 210, 47) }
```

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

```
.border{ border-color:rgb(236, 210, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 210, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 210, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 210, 47);  
box-shadow:4px 4px 4px 4px rgb(236, 210,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 76.869, 95.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 210, 47) }
```

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

```
.background{ background-color: rgb(236,  
210, 47) }
```

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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