

Converting Colors

CIELCh(84, 55.053, 95.040)

Have a look what the booklet for
CIELCh(84, 55.053, 95.040) contains.

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Color

CIELCh(84, 54.979, 94.699)

Conversions

Conversions Part 1

Format	Color
Hex	E9D167
RGB	233, 209, 103
RGB Percent	91%, 82%, 40%
CMY	0.0853, 0.1794, 0.5952
CMYK	0.00, 0.10, 0.56, 0.09
HSL	49°, 75%, 66%
HSV	49°, 56%, 91%
XYZ	59.0036, 64.0658, 22.1467
YIQ	204.0920, 48.3300, -27.8780

Conversions

Conversions Part 2

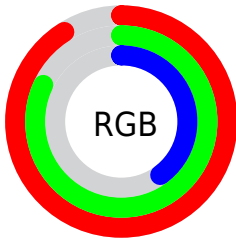
Format	Color
RYB	132, 233, 103
Decimal	15323495
CIELab	84.00, -4.50, 54.79
CIElCh	84, 54.979, 94.699
Yxy	64.0658, 0.4063, 0.4412
Android (android.graphics.Color)	4293513575 (0xFFE9D167)
YUV	204.0920, -49.8384, 25.3523
Hunter-Lab	80.0411, -8.4876, 39.6237

Details

The CIELCh color **84, 54.979, 94.699** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **56, 60.502, 291.075**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 48.795, 106.446**, and **64, 55.146, 94.611** is the 20% darker color. If you saturate the color by 10%, you get **83, 63.738, 93.472**, and if you desaturate by 10%, it is **85, 45.512, 95.927**.

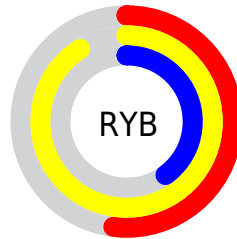
Distribution



Red (91%)

Green (82%)

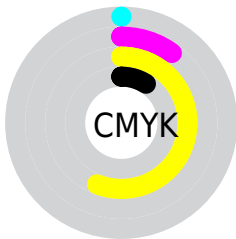
Blue (40%)



Red (52%)

Yellow (91%)

Blue (40%)

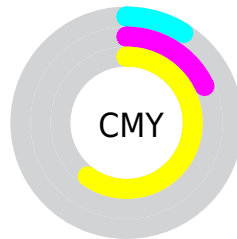


Cyan (0%)

Magenta (10%)

Yellow (56%)

Black (9%)



Cyan (9%)

Magenta (18%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 54.979, 94.699 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, 54.979, 94.699 by changing the saturation by 10% instead.

 84, 54.979, 94.699

 84, 54.979, 94.699

 100, 54.979,
94.699

 74, 54.979, 94.699

 64, 54.979, 94.699

 54, 54.979, 94.699

 44, 54.979, 94.699

 34, 54.979, 94.699

 24, 54.979, 94.699

 14, 54.979, 94.699

 4, 54.979, 94.699

 0, 54.979, 94.699

84, 54.979, 94.699

84, 54.979, 94.699

83, 63.738, 93.472

85, 45.512, 95.927

81, 71.246, 92.229

87, 35.683, 97.142

80, 76.782, 90.947

88, 25.699, 98.340

79, 79.681, 89.571

90, 15.681, 99.513

79, 80.346, 88.959

91, 5.696, 100.639

93, 4.220, 281.815

95, 8.262, 276.108

96, 6.750, 258.709

97, 6.126, 235.059

Harmonies

Complementary

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



84, 54.979, 94.699



56, 60.502, 291.075

Rectangle

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



84, 54.979, 94.699



84, 54.979, 144.699



84, 54.979, 274.699



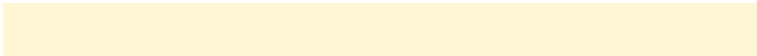
84, 54.979, 324.699

Sweetspot

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



84, 54.980, 94.702



97, 18.208, 99.358



61, 53.744, 11.666



51, 12.186, 99.123



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, 54.980, 94.702



89, 69.562, 93.277



87, 66.125, 118.737



48, 5.671, 100.229



62, 66.559, 89.217



18, 26.041, 91.636

Inverse Universe

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



56, 60.502, 291.075



54, 79.781, 294.218



53, 75.133, 306.166



46, 5.743, 282.451



25, 91.859, 302.887



4, 31.192, 293.982

Previews

White Background



This preview shows how the CIELCh color 84, 54.979, 94.699 looks on a white background.

Color Contrast Check

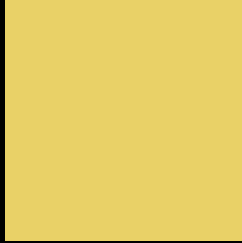
Large Text (above 18pt) WCAG AA × Fail

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, 54.979, 94.699 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, 54.979, 94.699

Background



This preview shows how black text looks on a background with the CIELCh color 84, 54.979, 94.699.



This preview shows how white text looks on a background with the CIELCh color 84, 54.979, 94.699.

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, 54.979, 94.699

Protanopia

84, 55.234, 95.635

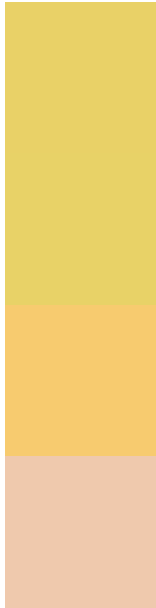
Deuteranopia

84, 50.092, 78.347



Tritanopia
84, 18.905, 354.608

Trichromacy



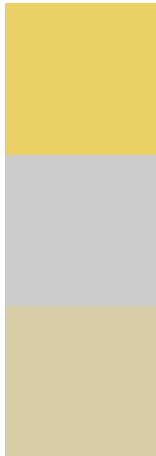
Original Color
84, 54.979, 94.699

Protanomaly
84, 55.234, 95.635

Deuteranomaly
84, 51.410, 84.505

Tritanomaly
84, 21.176, 63.787

Monochromacy



Original Color
84, 54.979, 94.699

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 20.789, 98.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 54.979, 94.699 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, 209, 103)` looks like.

```
.text, #text, p{  
    color:rgb(233, 209, 103)  
}
```

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, 209, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 209, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 54.979, 94.699 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, 209, 103) }
```

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

```
.border{ border-color:rgb(233, 209, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 209, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 209, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 209, 103);  
box-shadow:4px 4px 4px 4px rgb(233, 209,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 54.979, 94.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 209, 103) }
```

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

```
.background{ background-color: rgb(233,  
209, 103) }
```

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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