

Converting Colors

CIELCh(84, 54.003, 103.102)

Have a look what the booklet for
CIELCh(84, 54.003, 103.102)
contains.

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Color

CIELCh(84, 54.262, 103.228)

Conversions

Conversions Part 1

Format	Color
Hex	DBD66B
RGB	219, 214, 107
RGB Percent	86%, 84%, 42%
CMY	0.1421, 0.1616, 0.5812
CMYK	0.00, 0.02, 0.51, 0.14
HSL	57°, 61%, 64%
HSV	57°, 51%, 86%
XYZ	55.7804, 64.0658, 23.2794
YIQ	203.2970, 37.3270, -32.2170

Conversions

Conversions Part 2

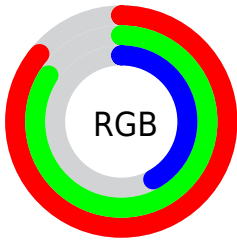
Format	Color
RYB	112, 219, 107
Decimal	14407275
CIELab	84.00, -12.42, 52.82
CIELCh	84, 54.262, 103.228
Yxy	64.0658, 0.3897, 0.4476
Android (android.graphics.Color)	4292597355 (0xFFDBD66B)
YUV	203.2970, -47.4744, 13.7715
Hunter-Lab	80.0411, -15.6758, 38.7847

Details

The CIELCh color **84, 54.262, 103.228** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **52, 61.951, 296.130**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 46.881, 106.594**, and **64, 54.274, 103.357** is the 20% darker color. If you saturate the color by 10%, you get **84, 63.518, 102.328**, and if you desaturate by 10%, it is **85, 44.246, 104.195**.

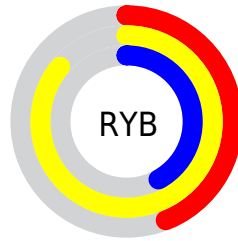
Distribution



Red (86%)

Green (84%)

Blue (42%)



Red (44%)

Yellow (86%)

Blue (42%)

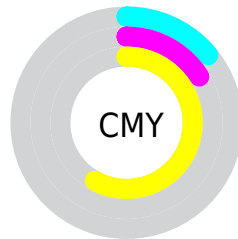


Cyan (0%)

Magenta (2%)

Yellow (51%)

Black (14%)



Cyan (14%)

Magenta (16%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 54.262, 103.228 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, 54.262, 103.228 by changing the saturation by 10% instead.

 84, 54.262,
103.228

 84, 54.262,
103.228

 100, 54.262,
103.228

 74, 54.262,
103.228

 64, 54.262,
103.228

 54, 54.262,
103.228

 44, 54.262,
103.228

 34, 54.262,
103.228

 24, 54.262,
103.228

 14, 54.262,

103.228

■ 4, 54.262, 103.228

■ 0, 54.262, 103.228

■ 84, 54.262,
103.228

■ 84, 54.262,
103.228

■ 84, 63.518,
102.328

■ 85, 44.246,
104.195

■ 83, 71.565,
101.519

■ 85, 33.775,
105.196

■ 83, 77.838,
100.834

■ 86, 23.048,
106.210

■ 82, 81.811,
100.296

■ 86, 12.191,
107.220

■ 82, 83.523, 99.926

■ 87, 1.282, 108.157

■ 88, 9.630, 289.208

■ 89, 17.943,
289.679

■ 89, 17.431,
288.502

■ 89, 16.926,
287.258

Harmonies

Complementary

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



84, 54.262, 103.228



52, 61.951, 296.130

Rectangle

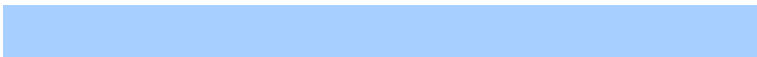
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 54.262, 103.228



84, 54.262, 153.228



84, 54.262, 283.228



84, 54.262, 333.228

Sweetspot

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



84, 54.263, 103.231



99, 18.507, 106.823



59, 47.704, 21.809



53, 12.621, 106.608



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, 54.263, 103.231



96, 71.645, 102.299



82, 60.188, 124.889



46, 6.201, 107.395



67, 70.258, 99.974



17, 25.367, 101.746

Inverse Universe

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



52, 61.951, 296.130



52, 85.256, 298.468



55, 65.609, 310.154



42, 6.327, 289.353



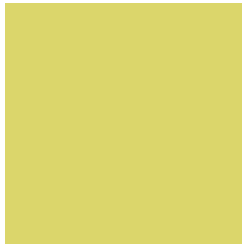
21, 98.136, 305.710



2, 28.684, 293.968

Previews

White Background



This preview shows how the CIELCh color 84, 54.262, 103.228 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, 54.262, 103.228 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, 54.262, 103.228

Background



This preview shows how black text looks on a background with the CIELCh color 84, 54.262, 103.228.



This preview shows how white text looks on a background with the CIELCh color 84, 54.262, 103.228.

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, 54.262, 103.228

Protanopia

84, 54.238, 96.009

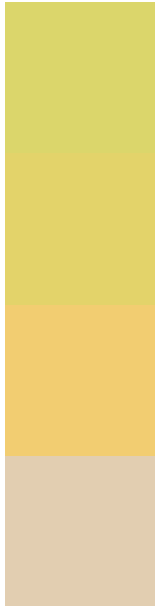
Deuteranopia

84, 50.092, 78.347



Tritanopia
84, 12.913, 342.742

Trichromacy



Original Color
84, 54.262, 103.228

Protanomaly
84, 53.859, 98.261

Deuteranomaly
84, 50.200, 87.701

Tritanomaly
84, 17.136, 81.844

Monochromacy



Original Color
84, 54.262, 103.228

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 20.490, 106.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 54.262, 103.228 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(219, 214, 107)` looks like.

```
.text, #text, p{  
    color:rgb(219, 214, 107)  
}
```

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(219, 214, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 214, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 54.262, 103.228 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(219, 214, 107) }
```

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

```
.border{ border-color:rgb(219, 214, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 214, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 214, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 214, 107);  
box-shadow:4px 4px 4px 4px rgb(219, 214,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 54.262, 103.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 214, 107) }
```

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

```
.background{ background-color: rgb(219,  
214, 107) }
```

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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