

Converting Colors

CIELCh(84, 20.008, 336.857)

Have a look what the booklet for
CIELCh(84, 20.008, 336.857)
contains.

CIELCh(84, 20.259, 336.507)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(84, 20.259, 336.507)

Conversions

Conversions Part 1

Format	Color
Hex	EEC6E1
RGB	238, 198, 225
RGB Percent	93%, 78%, 88%
CMY	0.0663, 0.2231, 0.1173
CMYK	0.00, 0.17, 0.05, 0.07
HSL	320°, 54%, 86%
HSV	320°, 17%, 93%
XYZ	69.1112, 64.0658, 80.0254
YIQ	213.0380, 15.1730, 16.8770

Conversions

Conversions Part 2

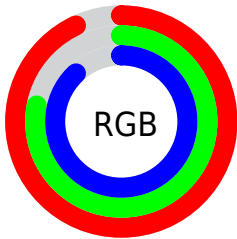
Format	Color
R_{YB}	238, 198, 225
Decimal	15648481
CIE _{Lab}	84.00, 18.58, -8.08
CIE _{LCh}	84, 20.259, 336.507
Yxy	64.0658, 0.3242, 0.3005
Android (android.graphics.Color)	4293838561 (0xFFEEC6E1)
YUV	213.0380, 5.8973, 21.8917
Hunter-Lab	80.0411, 14.0533, -3.2496

Details

The CIELCh color $84, 20.259, 336.507$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $91, 20.086, 154.059$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $64, 20.405, 336.399$ is the 20% darker color. If you saturate the color by 10%, you get $78, 32.419, 337.305$, and if you desaturate by 10%, it is $90, 8.139, 335.743$.

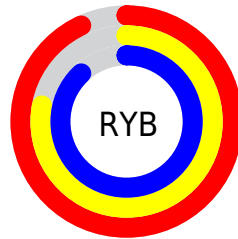
Distribution



Red (93%)

Green (78%)

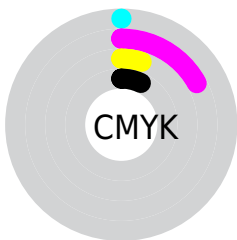
Blue (88%)



Red (93%)

Yellow (78%)

Blue (88%)

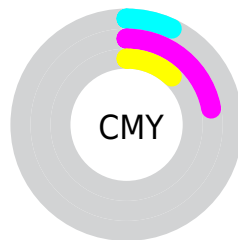


Cyan (0%)

Magenta (17%)

Yellow (5%)

Black (7%)



Cyan (7%)

Magenta (22%)

Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 20.259, 336.507 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, 20.259, 336.507 by changing the saturation by 10% instead.

 84, 20.259,
336.507

 84, 20.259,
336.507


 100, 20.259,
336.507


 74, 20.259,
336.507

 64, 20.259,
336.507

 54, 20.259,
336.507

 44, 20.259,
336.507

 34, 20.259,
336.507


 24, 20.259,
336.507


 14, 20.259,


336.507

 4, 20.259, 336.507

 0, 20.259, 336.507

 84, 20.259,
336.507


 84, 20.259,
336.507

 78, 32.419,
337.305


 90, 8.139, 335.743

 73, 44.375,
338.162

 96, 3.775, 155.207

 68, 55.757,
339.097

 99, 6.830, 169.172

 63, 66.075,
340.137

 99, 5.807, 199.152

 59, 74.740,

341.324

■ 56, 81.163,
342.717

■ 54, 84.922,
344.399

■ 53, 85.991,
346.459

■ 53, 86.029,
347.177

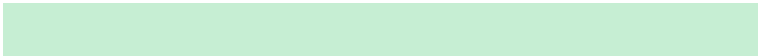
Harmonies

Complementary

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



84, 20.259, 336.507



91, 20.086, 154.059

Rectangle

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



84, 20.259, 336.507



84, 20.259, 26.507



84, 20.259, 156.507



84, 20.259, 206.507

Sweetspot

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



84, 20.256, 336.508



97, 6.318, 335.600



82, 21.752, 303.450



51, 4.313, 335.658



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, 20.256, 336.508



87, 25.535, 336.764



83, 15.390, 6.160



47, 6.853, 335.949



41, 71.025, 346.762



9, 31.902, 343.419

Inverse Universe

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



84, 20.256, 336.508



87, 25.535, 336.764



91, 14.335, 183.066



47, 6.853, 335.949



41, 71.025, 346.762



9, 31.902, 343.419

Previews

White Background



This preview shows how the CIELCh color 84, 20.259, 336.507 looks on a white background.

Color Contrast Check

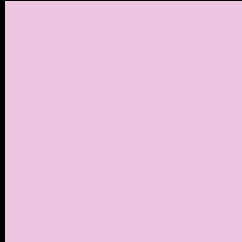
Large Text (above 18pt) WCAG AA × Fail

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, 20.259, 336.507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

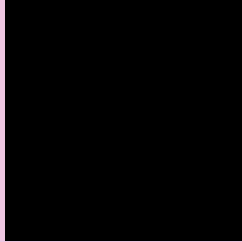
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 20.259, 336.507

Background



This preview shows how black text looks on a background with the CIELCh color 84, 20.259, 336.507.



This preview shows how white text looks on a background with the CIELCh color 84, 20.259, 336.507.

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, 20.259, 336.507

Protanopia

84, 12.138, 289.587

Deuteranopia

84, 12.799, 324.910



Tritanopia
84, 15.687, 350.527

Trichromacy



Original Color
84, 20.259, 336.507

Protanomaly
84, 14.160, 311.597

Deuteranomaly
84, 15.161, 330.723

Tritanomaly
84, 17.384, 343.592

Monochromacy



Original Color
84, 20.259, 336.507

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 6.966, 337.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 20.259, 336.507 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(238, 198, 225)` looks like.

```
.text, #text, p{  
    color:rgb(238, 198, 225)  
}
```

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(238, 198, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 198, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 20.259, 336.507 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(238, 198, 225) }
```

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

```
.border{ border-color:rgb(238, 198, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 198, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 198, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 198, 225);  
box-shadow:4px 4px 4px 4px rgb(238, 198,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 20.259, 336.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 198, 225) }
```

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

```
.background{ background-color: rgb(238,  
198, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor