

Converting Colors

CIELCh(80, 19.999, 41.160)

Have a look what the booklet for
CIELCh(80, 19.999, 41.160) contains.

CIELCh(80, 19.820, 40.911)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(80, 19.820, 40.911)

Conversions

Conversions Part 1

Format	Color
Hex	EBBCAF
RGB	235, 188, 175
RGB Percent	92%, 74%, 69%
CMY	0.0787, 0.2630, 0.3140
CMYK	0.00, 0.20, 0.26, 0.08
HSL	13°, 60%, 80%
HSV	13°, 26%, 92%
XYZ	59.9386, 56.6813, 48.3058
YIQ	200.5710, 32.1850, 5.9210

Conversions

Conversions Part 2

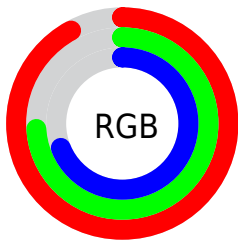
Format	Color
R _Y B	235, 192, 175
Decimal	15449263
CIE Lab	80.00, 14.98, 12.98
CIE LCh	80, 19.820, 40.911
Yxy	56.6813, 0.3634, 0.3437
Android (android.graphics.Color)	4293639343 (0xFFEBBCAF)
YUV	200.5710, -12.6065, 30.1942
Hunter-Lab	75.2870, 10.3579, 14.6591

Details

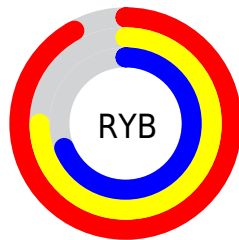
The CIELCh color **80, 19.820, 40.911** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **86, 16.693, 222.764**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 7.715, 78.552**, and **60, 19.512, 41.066** is the 20% darker color. If you saturate the color by 10%, you get **75, 28.759, 40.959**, and if you desaturate by 10%, it is **85, 11.566, 41.008**.

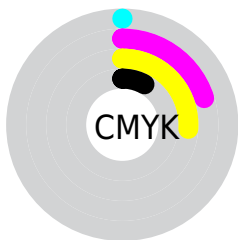
Distribution



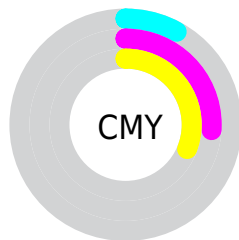
- Red (92%)
- Green (74%)
- Blue (69%)



- Red (92%)
- Yellow (75%)
- Blue (69%)



- Cyan (0%)
- Magenta (20%)
- Yellow (26%)
- Black (8%)



- Cyan (8%)
- Magenta (26%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 19.820, 40.911 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 80, 19.820, 40.911 by changing the saturation by 10% instead.

 80, 19.820, 40.911

 80, 19.820, 40.911

 100, 19.820,
40.911

 70, 19.820, 40.911

 60, 19.820, 40.911

 50, 19.820, 40.911

 40, 19.820, 40.911

 30, 19.820, 40.911

 20, 19.820, 40.911

 10, 19.820, 40.911

 0, 19.820, 40.911

 80, 19.820, 40.911

 80, 19.820, 40.911

75, 28.759, 40.959

85, 11.566, 41.008

70, 38.406, 41.172

90, 3.956, 41.128

66, 48.727, 41.591

95, 3.071, 221.781

62, 59.598, 42.224

99, 6.874, 199.067

58, 70.709, 43.011

55, 81.343, 43.715

53, 89.983, 43.755

52, 93.080, 43.651

Harmonies

Complementary

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



80, 19.820, 40.911



86, 16.693, 222.764

Rectangle

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



80, 19.820, 40.911



80, 19.820, 90.911



80, 19.820, 220.911



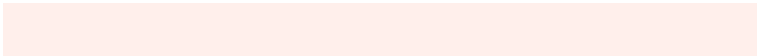
80, 19.820, 270.911

Sweetspot

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



80, 19.819, 40.919



96, 6.172, 41.113



78, 32.934, 332.780



50, 4.413, 41.094



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 19.819, 40.919



83, 26.323, 40.923



87, 23.323, 91.726



46, 4.120, 41.095



40, 76.144, 44.079



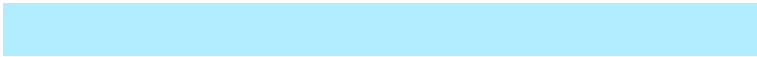
9, 24.689, 35.273

Inverse Universe

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



86, 16.693, 222.764



91, 21.231, 223.219



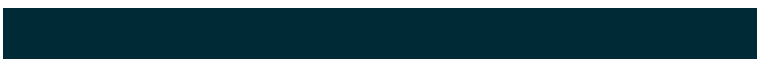
78, 23.533, 278.639



48, 3.887, 221.878



55, 34.311, 239.133



15, 14.462, 232.243

Previews

White Background



This preview shows how the CIELCh color 80, 19.820, 40.911 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 80, 19.820, 40.911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

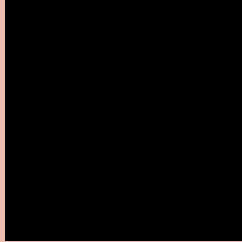
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 19.820, 40.911

Background



This preview shows how black text looks on a background with the CIELCh color 80, 19.820, 40.911.




This preview shows how white text looks on a background with the CIELCh color 80, 19.820, 40.911.

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





Tritanopia
80, 21.728, 359.903

Trichromacy



Original Color
80, 19.820, 40.911

Protanomaly
80, 12.322, 63.221

Deuteranomaly
80, 17.956, 48.440

Tritanomaly
80, 20.021, 13.516

Monochromacy



Original Color
80, 19.820, 40.911

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 6.717, 38.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 19.820, 40.911 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(235, 188, 175)` looks like.

```
.text, #text, p{  
    color:rgb(235, 188, 175)  
}
```

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(235, 188, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 188, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 19.820, 40.911 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(235, 188, 175) }
```

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

```
.border{ border-color:rgb(235, 188, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 188, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 188, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 188, 175);  
box-shadow:4px 4px 4px 4px rgb(235, 188,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 19.820, 40.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 188, 175) }
```

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

```
.background{ background-color: rgb(235,  
188, 175) }
```

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