

Converting Colors

CIELCh(80, 20.794, 324.133)

Have a look what the booklet for
CIELCh(80, 20.794, 324.133)
contains.

CIELCh(80, 20.393, 324.359)	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(80, 20.393, 324.359)

Conversions

Conversions Part 1

Format	Color
Hex	DCBDDD
RGB	220, 189, 221
RGB Percent	86%, 74%, 87%
CMY	0.1382, 0.2597, 0.1343
CMYK	0.00, 0.14, 0.00, 0.13
HSL	298°, 32%, 80%
HSV	298°, 14%, 87%
XYZ	60.6098, 56.6813, 75.9860
YIQ	201.9170, 8.2040, 16.5240

Conversions

Conversions Part 2

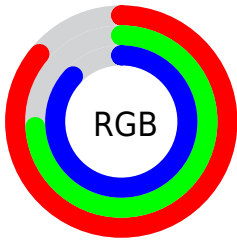
Format	Color
R_{YB}	220, 189, 221
Decimal	14466525
CIE _{Lab}	80.00, 16.57, -11.88
CIE _{LCh}	80, 20.393, 324.359
Yxy	56.6813, 0.3136, 0.2933
Android (android.graphics.Color)	4292656605 (0xFFDCBDDD)
YUV	201.9170, 9.4079, 15.8588
Hunter-Lab	75.2870, 11.9492, -7.1396

Details

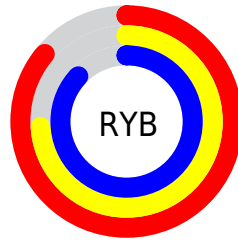
The CIELCh color **80, 20.393, 324.359** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **85, 20.353, 142.766**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 6.227, 324.609**, and **60, 20.178, 324.474** is the 20% darker color. If you saturate the color by 10%, you get **75, 34.539, 324.888**, and if you desaturate by 10%, it is **86, 6.283, 323.801**.

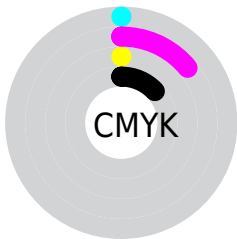
Distribution



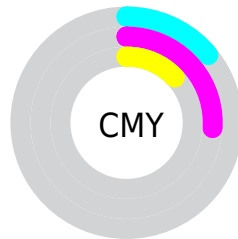
- Red (86%)
- Green (74%)
- Blue (87%)



- Red (86%)
- Yellow (74%)
- Blue (87%)



- Cyan (0%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)





- Cyan (14%)
- Magenta (26%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 20.393, 324.359 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, 20.393, 324.359 by changing the saturation by 10% instead.


 80, 20.393,
324.359


 80, 20.393,
324.359


 100, 20.393,
324.359


 70, 20.393,
324.359

 60, 20.393,
324.359

 50, 20.393,
324.359

 40, 20.393,
324.359

 30, 20.393,
324.359

 20, 20.393,
324.359

 10, 20.393,

324.359

0, 20.393, 324.359

80, 20.393,
324.359

80, 20.393,
324.359

75, 34.539,
324.888

86, 6.283, 323.801

70, 48.471,
325.396

91, 7.612, 143.358

65, 61.824,
325.866

97, 21.188,
142.830

61, 74.131,
326.280

97, 21.049,
142.304

57, 84.842,
326.617

97, 20.912,
141.770

97, 20.777,
141.229

■ 55, 93.410,
326.859

■ 97, 20.643,
140.679

■ 53, 99.421,
326.991

■ 97, 20.511,
140.121

■ 52, 102.762,
327.010

■ 97, 20.381,
139.555

■ 51, 103.797,
326.988

Harmonies

Complementary

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



80, 20.393, 324.359



85, 20.353, 142.766

Rectangle

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



80, 20.393, 324.359



80, 20.393, 14.359



80, 20.393, 144.359



80, 20.393, 194.359

Sweetspot

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



80, 20.391, 324.359



97, 6.290, 323.772



78, 16.590, 290.421



52, 4.472, 323.820



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, 20.391, 324.359



89, 26.918, 324.501



80, 14.878, 343.073



43, 7.924, 324.084



40, 86.675, 327.007



7, 34.451, 327.104

Inverse Universe

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



79, 12.133, 17.849



88, 16.159, 18.098



85, 14.645, 160.714



43, 4.639, 17.400



36, 76.892, 38.642



5, 23.792, 18.922

Previews

White Background



This preview shows how the CIELCh color 80, 20.393, 324.359 looks on a white background.

Color Contrast Check

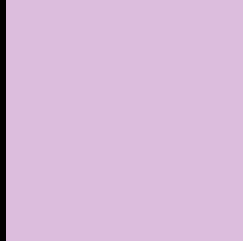
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 20.393, 324.359 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, 20.393, 324.359

Background



This preview shows how black text looks on a background with the CIELCh color 80, 20.393, 324.359.



This preview shows how white text looks on a background with the CIELCh color 80, 20.393, 324.359.

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, 12.751, 341.737

Trichromacy



Original Color
80, 20.393, 324.359

Protanomaly
80, 16.369, 302.619

Deuteranomaly
80, 17.255, 317.041

Tritanomaly
80, 15.412, 334.198

Monochromacy



Original Color
80, 20.393, 324.359

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 7.566, 322.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 20.393, 324.359 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(220, 189, 221)` looks like.

```
.text, #text, p{  
    color:rgb(220, 189, 221)  
}
```

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(220, 189, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 189, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 20.393, 324.359 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(220, 189, 221) }
```

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

```
.border{ border-color:rgb(220, 189, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 189, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 189, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 189, 221);  
box-shadow:4px 4px 4px 4px rgb(220, 189,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 20.393, 324.359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 189, 221) }
```

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

```
.background{ background-color: rgb(220,  
189, 221) }
```

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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