

Converting Colors

CIELCh(85, 20.605, 322.893)

Have a look what the booklet for
CIELCh(85, 20.605, 322.893)
contains.

CIELCh(85, 20.403, 322.646)	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(85, 20.403, 322.646)

Conversions

Conversions Part 1

Format	Color
Hex	E9CBEC
RGB	233, 203, 236
RGB Percent	91%, 80%, 93%
CMY	0.0868, 0.2044, 0.0750
CMYK	0.01, 0.14, 0.00, 0.07
HSL	295°, 46%, 86%
HSV	295°, 14%, 93%
XYZ	70.0139, 66.0070, 88.3134
YIQ	215.7320, 7.2870, 16.6230

Conversions

Conversions Part 2

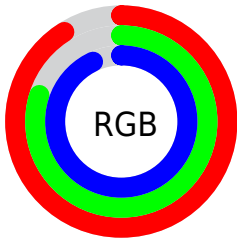
Format	Color
R _Y B	233, 203, 236
Decimal	15322092
CIE Lab	85.00, 16.22, -12.38
CIE LCh	85, 20.403, 322.646
Yxy	66.0070, 0.3121, 0.2942
Android (android.graphics.Color)	4293512172 (0xFFE9CBEC)
YUV	215.7320, 9.9921, 15.1440
Hunter-Lab	81.2447, 11.6469, -7.5773

Details

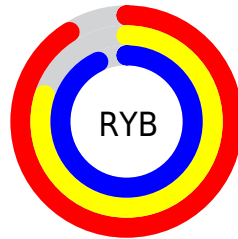
The CIELCh color **85, 20.403, 322.646** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90, 20.329, 141.219**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **65, 20.161, 322.625** is the 20% darker color. If you saturate the color by 10%, you get **79, 35.119, 323.144**, and if you desaturate by 10%, it is **91, 5.777, 322.118**.

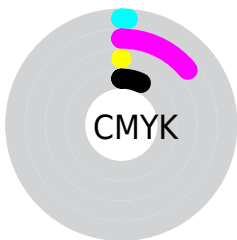
Distribution



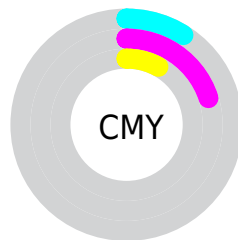
- Red (91%)
- Green (80%)
- Blue (93%)



- Red (91%)
- Yellow (80%)
- Blue (93%)



- Cyan (1%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (9%)
- Magenta (20%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 20.403, 322.646 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 85, 20.403, 322.646 by changing the saturation by 10% instead.


 85, 20.403,
322.646

 85, 20.403,
322.646


 100, 20.403,
322.646


 75, 20.403,
322.646

 65, 20.403,
322.646

 55, 20.403,
322.646

 45, 20.403,
322.646

 35, 20.403,
322.646

 25, 20.403,
322.646

 15, 20.403,

322.646

■ 5, 20.403, 322.646

■ 0, 20.403, 322.646

■ 85, 20.403,
322.646

■ 85, 20.403,
322.646

■ 79, 35.119,
323.144

■ 91, 5.777, 322.118

■ 74, 49.691,
323.621

■ 97, 8.596, 141.711

■ 69, 63.766,
324.060

■ 98, 11.248,
139.088

■ 64, 76.873,
324.436

■ 99, 10.881,
135.690

■ 60, 88.431,

■ 99, 10.554,
132.051

324.723

99, 10.273,
128.179

57, 97.824,
324.891

99, 10.042,
124.091

54, 104.540,
324.916

99, 9.864, 119.816

53, 108.367,
324.784

99, 9.745, 115.393

52, 109.602,
324.646

Harmonies

Complementary

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



85, 20.403, 322.646



90, 20.329, 141.219

Rectangle

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



85, 20.403, 322.646



85, 20.403, 12.646



85, 20.403, 142.646



85, 20.403, 192.646

Sweetspot

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



85, 20.400, 322.646



97, 6.174, 322.120



83, 15.712, 287.429



52, 4.390, 322.164



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 20.400, 322.646



89, 26.455, 322.801



85, 15.853, 339.689



46, 8.225, 322.415



40, 89.888, 324.704



8, 38.448, 325.210

Inverse Universe

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



84, 12.381, 13.049



88, 16.195, 13.373



91, 15.679, 157.549



46, 4.931, 12.598



38, 77.034, 36.232



7, 28.182, 19.001

Previews

White Background



This preview shows how the CIELCh color 85, 20.403, 322.646 looks on a white background.

Color Contrast Check

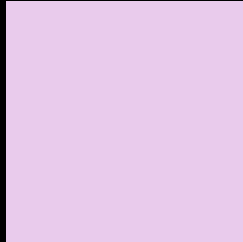
Large Text (above 18pt) WCAG AA × Fail

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 85, 20.403, 322.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

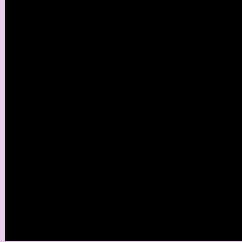
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 20.403, 322.646

Background



This preview shows how black text looks on a background with the CIELCh color 85, 20.403, 322.646.



This preview shows how white text looks on a background with the CIELCh color 85, 20.403, 322.646.

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
85, 12.648, 338.737

Trichromacy



Original Color
85, 20.403, 322.646

Protanomaly
85, 16.677, 302.243

Deuteranomaly
85, 17.029, 317.005

Tritanomaly
85, 15.367, 331.777

Monochromacy



Original Color
85, 20.403, 322.646

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 7.473, 322.412

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 20.403, 322.646 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, 203, 236)` looks like.

```
.text, #text, p{  
    color:rgb(233, 203, 236)  
}
```

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, 203, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 203, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 20.403, 322.646 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, 203, 236) }
```

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

```
.border{ border-color:rgb(233, 203, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 203, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 203, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 203, 236); box-shadow:4px 4px 4px 4px rgb(233, 203, 236) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 20.403, 322.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 203, 236) }
```

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

```
.background{ background-color: rgb(233,  
203, 236) }
```

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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