

Converting Colors

CIELCh(81, 31.906, 317.475)

Have a look what the booklet for
CIELCh(81, 31.906, 317.475)
contains.

CIELCh(81, 31.793, 317.390)	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(81, 31.793, 317.390)

Conversions

Conversions Part 1

Format	Color
Hex	E3BCF2
RGB	227, 188, 242
RGB Percent	89%, 74%, 95%
CMY	0.1113, 0.2641, 0.0525
CMYK	0.06, 0.22, 0.00, 0.05
HSL	283°, 67%, 84%
HSV	283°, 22%, 95%
XYZ	65.4376, 58.4711, 91.5455
YIQ	205.8170, 5.9100, 25.0620

Conversions

Conversions Part 2

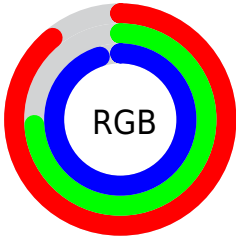
Format	Color
R _Y B	227, 188, 242
Decimal	14925042
CIE Lab	81.00, 23.40, -21.52
CIE LCh	81, 31.793, 317.390
Yxy	58.4711, 0.3037, 0.2714
Android (android.graphics.Color)	4293115122 (0xFFE3BCF2)
YUV	205.8170, 17.8382, 18.5775
Hunter-Lab	76.4664, 18.9388, -17.4555

Details

The CIELCh color $81, 31.793, 317.390$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $91, 31.304, 135.381$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 6.851, 324.635$, and $61, 32.196, 317.282$ is the 20% darker color. If you saturate the color by 10%, you get $75, 46.269, 317.828$, and if you desaturate by 10%, it is $87, 17.409, 316.945$.

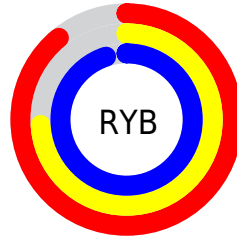
Distribution



Red (89%)

Green (74%)

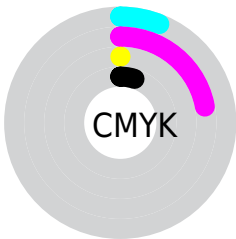
Blue (95%)



Red (89%)

Yellow (74%)

Blue (95%)

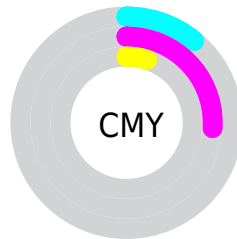


Cyan (6%)

Magenta (22%)

Yellow (0%)

Black (5%)



Cyan (11%)


Magenta (26%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 31.793, 317.390 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 81, 31.793, 317.390 by changing the saturation by 10% instead.


 81, 31.793,
317.390


 81, 31.793,
317.390


 100, 31.793,
317.390


 71, 31.793,
317.390

 61, 31.793,
317.390

 51, 31.793,
317.390

 41, 31.793,
317.390

 31, 31.793,
317.390

 21, 31.793,
317.390

 11, 31.793,

317.390

■ 1, 31.793, 317.390

■ 0, 31.793, 317.390

■ 81, 31.793,
317.390

■ 81, 31.793,
317.390

■ 75, 46.269,
317.828

■ 87, 17.409,
316.945

■ 69, 60.598,
318.240

■ 94, 3.273, 316.464

■ 99, 7.410, 132.807

■ 63, 74.406,
318.594

■ 100, 6.798,
114.224

■ 58, 87.160,
318.845

■ 100, 6.770,
109.660

■ 54, 98.179,

318.938

■ 50, 106.724,
318.811

■ 48, 112.226,
318.405

■ 46, 114.595,
317.922

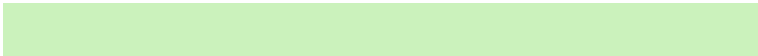
Harmonies

Complementary

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



81, 31.793, 317.390



91, 31.304, 135.381

Rectangle

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



81, 31.793, 317.390



81, 31.793, 7.390



81, 31.793, 137.390



81, 31.793, 187.390

Sweetspot

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



81, 31.791, 317.390



95, 10.261, 316.706



82, 20.989, 278.097



50, 6.671, 316.733



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 31.791, 317.390



82, 40.259, 317.599



82, 29.470, 332.562



47, 7.941, 316.817



35, 93.186, 318.078



7, 40.103, 319.205

Inverse Universe

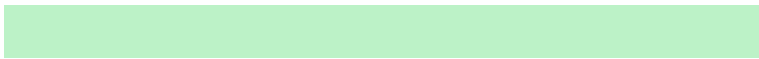
The Inverse Universe completely reimagines the original color for something new.



81, 21.646, 359.858



82, 27.557, 0.480



91, 29.329, 149.494



47, 5.327, 358.364



39, 69.274, 23.058



8, 28.814, 11.599

Previews

White Background



This preview shows how the CIELCh color 81, 31.793, 317.390 looks on a white background.

Color Contrast Check

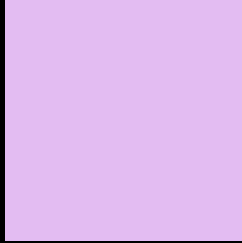
Large Text (above 18pt) WCAG AA × Fail

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 81, 31.793, 317.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

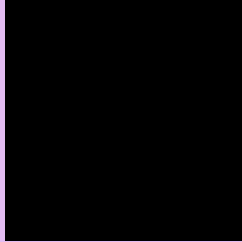
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 31.793, 317.390

Background



This preview shows how black text looks on a background with the CIELCh color 81, 31.793, 317.390.



This preview shows how white text looks on a background with the CIELCh color 81, 31.793, 317.390.

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
81, 13.005, 342.779

Trichromacy



Original Color
81, 31.793, 317.390

Protanomaly
81, 27.875, 298.017

Deuteranomaly
81, 25.772, 305.217

Tritanomaly
81, 19.260, 327.894

Monochromacy



Original Color
81, 31.793, 317.390

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 11.313, 317.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 31.793, 317.390 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(227, 188, 242)` looks like.

```
.text, #text, p{  
    color:rgb(227, 188, 242)  
}
```

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(227, 188, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 188, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 31.793, 317.390 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(227, 188, 242) }
```

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

```
.border{ border-color:rgb(227, 188, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 188, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 188, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 188, 242);  
box-shadow:4px 4px 4px 4px rgb(227, 188,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 31.793, 317.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 188, 242) }
```

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

```
.background{ background-color: rgb(227,  
188, 242) }
```

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