

Converting Colors

CIELCh(81, 20.128, 291.945)

Have a look what the booklet for
CIELCh(81, 20.128, 291.945)
contains.

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Color

CIELCh(81, 20.222, 291.948)

Conversions

Conversions Part 1

Format	Color
Hex	C6C6EC
RGB	198, 198, 236
RGB Percent	78%, 78%, 93%
CMY	0.2234, 0.2234, 0.0744
CMYK	0.16, 0.16, 0.00, 0.07
HSL	240°, 50%, 85%
HSV	240°, 16%, 93%
XYZ	58.6438, 58.4711, 87.5776
YIQ	202.3320, -12.1980, 11.8180

Conversions

Conversions Part 2

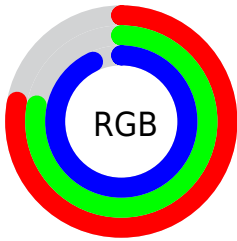
Format	Color
RYB	198, 198, 236
Decimal	13027052
CIELab	81.00, 7.56, -18.76
CIElCh	81, 20.222, 291.948
Yxy	58.4711, 0.2865, 0.2857
Android (android.graphics.Color)	4291217132 (0xFFC6C6EC)
YUV	202.3320, 16.5983, -3.7992
Hunter-Lab	76.4664, 3.0795, -14.3789

Details

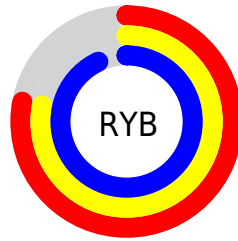
The CIELCh color $81, 20.222, 291.948$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93, 19.485, 108.611$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $61, 20.303, 292.406$ is the 20% darker color. If you saturate the color by 10%, you get $73, 33.474, 293.305$, and if you desaturate by 10%, it is $89, 7.512, 290.799$.

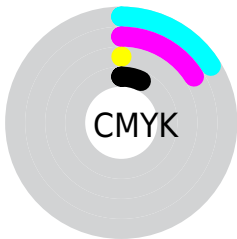
Distribution



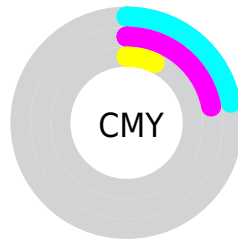
- Red (78%)
- Green (78%)
- Blue (93%)



- Red (78%)
- Yellow (78%)
- Blue (93%)



- Cyan (16%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)



- Cyan (22%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 20.222, 291.948 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, 20.222, 291.948 by changing the saturation by 10% instead.

■ 81, 20.222,
291.948

■ 81, 20.222,
291.948

■ 100, 20.222,
291.948

■ 71, 20.222,
291.948

■ 61, 20.222,
291.948

■ 51, 20.222,
291.948

■ 41, 20.222,
291.948

■ 31, 20.222,
291.948

■ 21, 20.222,
291.948

■ 11, 20.222,

291.948

■ 1, 20.222, 291.948

■ 0, 20.222, 291.948

■ 81, 20.222,
291.948

■ 81, 20.222,
291.948

■ 73, 33.474,
293.305

■ 89, 7.512, 290.799

■ 66, 47.308,
294.903

■ 96, 4.692, 109.799

■ 58, 61.727,
296.755

■ 100, 9.600,
109.450

■ 50, 76.631,
298.840

■ 44, 91.652,

301.066

■ 37, 105.861,
303.224

■ 33, 117.500,
304.988

■ 30, 124.468,
306.029

■ 30, 126.212,
306.287

Harmonies

Complementary

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



81, 20.222, 291.948



93, 19.485, 108.611

Rectangle

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



81, 20.222, 291.948



81, 20.222, 341.948



81, 20.222, 111.948



81, 20.222, 161.948

Sweetspot

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



81, 20.220, 291.946



96, 6.544, 290.688



91, 12.944, 197.127



51, 4.470, 290.761



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, 20.220, 291.946



84, 25.563, 292.328



82, 21.222, 309.239



45, 7.006, 291.162



21, 103.472, 306.286



2, 35.733, 297.750

Inverse Universe

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



83, 14.342, 20.482



87, 18.234, 20.752



91, 20.742, 127.750



46, 4.905, 19.932



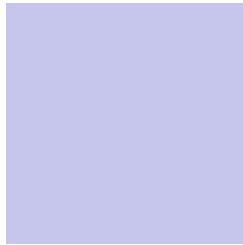
38, 80.845, 39.983



7, 28.535, 22.713

Previews

White Background



This preview shows how the CIELCh color 81, 20.222, 291.948 looks on a white background.

Color Contrast Check

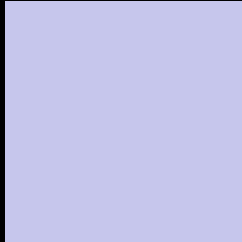
Large Text (above 18pt) WCAG AA × Fail

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, 20.222, 291.948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

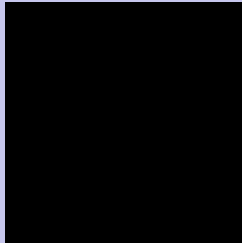
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 20.222, 291.948

Background



This preview shows how black text looks on a background with the CIELCh color 81, 20.222, 291.948.



This preview shows how white text looks on a background with the CIELCh color 81, 20.222, 291.948.

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

81, 20.222, 291.948

Protanopia

81, 20.242, 287.207

Deuteranopia

81, 21.483, 298.378



Tritanopia
81, 8.721, 276.982

Trichromacy



Original Color
81, 20.222, 291.948

Protanomaly
81, 20.224, 288.147

Deuteranomaly
81, 20.834, 295.716

Tritanomaly
81, 12.809, 285.111

Monochromacy



Original Color
81, 20.222, 291.948

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 6.909, 290.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 20.222, 291.948 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(198, 198, 236)` looks like.

```
.text, #text, p{  
    color:rgb(198, 198, 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(198, 198, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 198, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 20.222, 291.948 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(198, 198, 236) }
```

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

```
.border{ border-color:rgb(198, 198, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 198, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 198, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 198, 236);  
box-shadow:4px 4px 4px 4px rgb(198, 198,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 20.222, 291.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 198, 236) }
```

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

```
.background{ background-color: rgb(198,  
198, 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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