

Converting Colors

CIELCh(20, 82.001, 310.670)

Have a look what the booklet for
CIELCh(20, 82.001, 310.670)
contains.

CIELCh(20, 82.073, 310.720)	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(20, 82.073, 310.720)

Conversions

Conversions Part 1

Format	Color
Hex	3E008F
RGB	62, 0, 143
RGB Percent	24%, 0%, 56%
CMY	0.7577, 1.0000, 0.4400
CMYK	0.57, 1.00, 0.00, 0.44
HSL	266°, 100%, 28%
HSV	266°, 100%, 56%
XYZ	6.9132, 2.9891, 26.1214
YIQ	34.8400, -8.9510, 57.6170

Conversions

Conversions Part 2

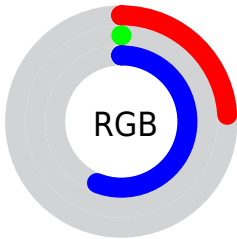
Format	Color
RYB	62, 0, 143
Decimal	4063375
CIELab	20.00, 53.54, -62.20
CIElCh	20, 82.073, 310.720
Yxy	2.9891, 0.1919, 0.0830
Android (android.graphics.Color)	4282253455 (0xFF3E008F)
YUV	34.8400, 53.3229, 23.8193
Hunter-Lab	17.2889, 41.1207, -77.4778

Details

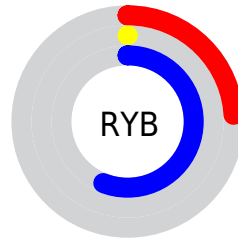
The CIELCh color **20, 82.073, 310.720** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **53, 69.088, 125.299**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 81.976, 310.673**, and **7, 62.805, 306.146** is the 20% darker color. If you saturate the color by 10%, you get **20, 82.005, 310.703**, and if you desaturate by 10%, it is **22, 77.234, 310.896**.

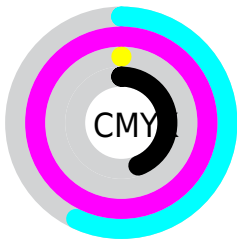
Distribution



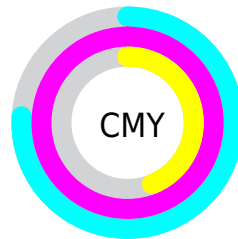
- Red (24%)
- Green (0%)
- Blue (56%)



- Red (24%)
- Yellow (0%)
- Blue (56%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (44%)





- Cyan (76%)
- Magenta (100%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 82.073, 310.720 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 20, 82.073, 310.720 by changing the saturation by 10% instead.

 20, 82.073,
310.720


 20, 82.073,
310.720


 100, 82.073,
310.720


 10, 82.073,
310.720


 40, 82.073,
310.720


 0, 82.073, 310.720

 50, 82.073,
310.720

 60, 82.073,
310.720

 70, 82.073,
310.720

 80, 82.073,
310.720

 90, 82.073,

310.720

■ 20, 82.073,
310.720

■ 20, 82.073,
310.720

■ 20, 82.005,
310.703

■ 22, 77.234,
310.896

■ 25, 71.012,
310.877

■ 29, 63.178,
310.555

■ 32, 54.389,
310.051

■ 37, 45.153,
309.458

■ 41, 35.800,
308.840

■ 46, 26.526,
308.236

■ 50, 17.439,
307.667

■ 55, 8.592, 307.142

Harmonies

Complementary

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



20, 82.073, 310.720



53, 69.088, 125.299

Rectangle

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



20, 82.073, 310.720



20, 82.073, 0.720



20, 82.073, 130.720



20, 82.073, 180.720

Sweetspot

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



20, 82.005, 310.703



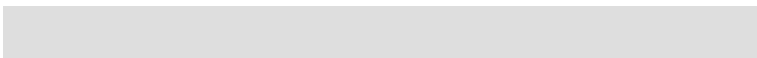
59, 32.958, 308.274



34, 38.903, 273.465



28, 22.772, 308.500



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



20, 82.005, 310.703



28, 99.932, 310.469



31, 75.428, 325.053



28, 4.845, 307.101



19, 78.741, 310.759



0, 3.231, 306.679

Inverse Universe

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



30, 56.196, 354.982



40, 68.083, 355.786



51, 77.278, 135.541



28, 4.137, 340.843



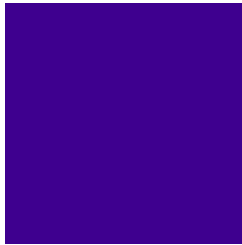
29, 54.035, 354.793



1, 2.768, 340.188

Previews

White Background



This preview shows how the CIELCh color 20, 82.073, 310.720 looks on a white background.

Color Contrast Check

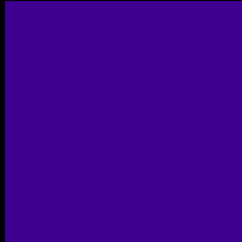
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 20, 82.073, 310.720 looks on a black 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

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

CIELCh 20, 82.073, 310.720

Background



This preview shows how black text looks on a background with the CIELCh color 20, 82.073, 310.720.



This preview shows how white text looks on a background with the CIELCh color 20, 82.073, 310.720.

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

20, 82.073, 310.720

Protanopia

21, 37.400, 283.790

Deuteranopia

21, 26.059, 268.889



Tritanopia
22, 10.347, 212.922

Trichromacy



Original Color
20, 82.073, 310.720

Protanomaly
18, 58.465, 300.370

Deuteranomaly
18, 51.013, 298.438

Tritanomaly
18, 37.091, 301.175

Monochromacy



Original Color
20, 82.073, 310.720

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 37.015, 310.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 82.073, 310.720 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(62, 0, 143)` looks like.

```
.text, #text, p{  
    color:rgb(62, 0, 143)  
}
```

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(62, 0, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 0, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 82.073, 310.720 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(62, 0, 143) }
```

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

```
.border{ border-color:rgb(62, 0, 143) }
```

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

Here you see how a box with a 4 pixel rgb(62, 0, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 0, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 0, 143);  
box-shadow:4px 4px 4px 4px rgb(62, 0, 143)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 82.073, 310.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 0, 143) }
```

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

```
.background{ background-color: rgb(62, 0,  
143) }
```

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