

Converting Colors

CIELCh(20, 84.518, 309.725)

Have a look what the booklet for
CIELCh(20, 84.518, 309.725)
contains.

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Color

CIELCh(20, 84.265, 309.766)

Conversions

Conversions Part 1

Format	Color
Hex	390193
RGB	57, 1, 147
RGB Percent	22%, 0%, 58%
CMY	0.7769, 0.9966, 0.4239
CMYK	0.61, 0.99, 0.00, 0.42
HSL	263°, 99%, 29%
HSV	263°, 99%, 58%
XYZ	6.9490, 2.9891, 27.7743
YIQ	34.3880, -13.4900, 57.2780

Conversions

Conversions Part 2

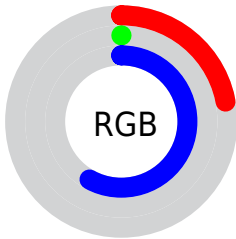
Format	Color
R_{YB}	57, 1, 147
Decimal	3735955
CIE _{Lab}	20.00, 53.90, -64.77
CIE _{LCh}	20, 84.265, 309.766
Yxy	2.9891, 0.1843, 0.0793
Android (android.graphics.Color)	4281926035 (0xFF390193)
YUV	34.3880, 55.5177, 19.8307
Hunter-Lab	17.2889, 41.4896, -83.1461

Details

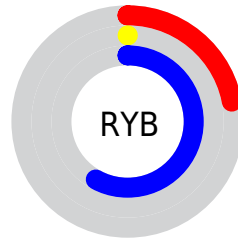
The CIELCh color **20, 84.265, 309.766** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **55, 69.252, 123.328**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 84.111, 309.845**, and **7, 64.918, 306.260** is the 20% darker color. If you saturate the color by 10%, you get **20, 84.576, 309.770**, and if you desaturate by 10%, it is **22, 79.245, 309.871**.

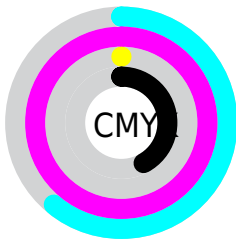
Distribution



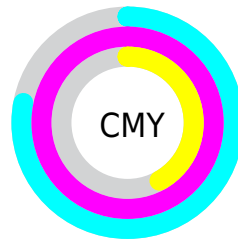
- Red (22%)
- Green (0%)
- Blue (58%)



- Red (22%)
- Yellow (0%)
- Blue (58%)



- Cyan (61%)
- Magenta (99%)
- Yellow (0%)
- Black (42%)





- Cyan (78%)
- Magenta (100%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 84.265, 309.766 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, 84.265, 309.766 by changing the saturation by 10% instead.

 20, 84.265,
309.766


 20, 84.265,
309.766


 100, 84.265,
309.766


 10, 84.265,
309.766


 40, 84.265,
309.766

 0, 84.265, 309.766

 50, 84.265,
309.766

 60, 84.265,
309.766

 70, 84.265,
309.766

 80, 84.265,
309.766

 90, 84.265,

309.766

■ 20, 84.265,
309.766

■ 20, 84.265,
309.766

■ 20, 84.576,
309.770

■ 22, 79.245,
309.871

■ 25, 72.550,
309.715

■ 29, 64.249,
309.257

■ 33, 55.058,
308.629

■ 38, 45.497,
307.931

■ 42, 35.890,
307.227

■ 47, 26.416,
306.555

■ 52, 17.169,
305.933

■ 56, 8.191, 305.367

Harmonies

Complementary

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



20, 84.265, 309.766



55, 69.252, 123.328

Rectangle

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



20, 84.265, 309.766



20, 84.265, 359.766



20, 84.265, 129.766



20, 84.265, 179.766

Sweetspot

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



20, 84.266, 309.767



60, 33.481, 306.634



37, 37.088, 268.705



29, 23.148, 306.889



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



20, 84.266, 309.767



27, 103.013, 309.554



31, 77.088, 323.818



29, 4.947, 305.357



18, 80.627, 309.832



0, 4.268, 304.899

Inverse Universe

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



32, 58.502, 350.777



42, 70.895, 351.573



53, 78.487, 135.343



29, 4.409, 338.498



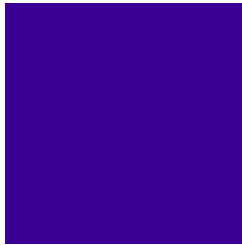
29, 55.938, 350.739



1, 3.824, 337.870

Previews

White Background



This preview shows how the CIE LCh color 20, 84.265, 309.766 looks on a white background.

Color Contrast Check

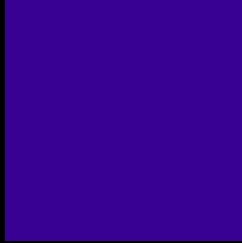
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.265, 309.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

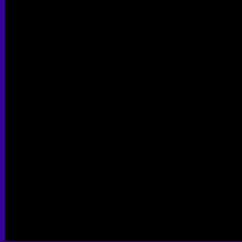
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 84.265, 309.766

Background



This preview shows how black text looks on a background with the CIELCh color 20, 84.265, 309.766.



This preview shows how white text looks on a background with the CIELCh color 20, 84.265, 309.766.

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, 84.265, 309.766

Protanopia

21, 36.784, 283.299

Deuteranopia

21, 26.059, 268.889



Tritanopia
21, 16.672, 208.493

Trichromacy



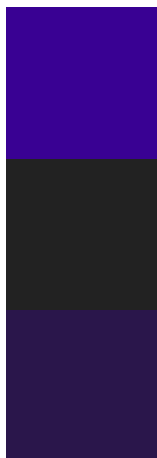
Original Color
20, 84.265, 309.766

Protanomaly
18, 59.085, 300.347

Deuteranomaly
18, 51.654, 298.418

Tritanomaly
17, 38.681, 293.525

Monochromacy



Original Color
20, 84.265, 309.766

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 37.665, 308.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 84.265, 309.766 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(57, 1, 147)` looks like.

```
.text, #text, p{  
    color:rgb(57, 1, 147)  
}
```

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(57, 1, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 1, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 84.265, 309.766 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(57, 1, 147) }
```

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

```
.border{ border-color:rgb(57, 1, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 1, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 1, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 1, 147);  
box-shadow:4px 4px 4px 4px rgb(57, 1, 147)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 84.265, 309.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 1, 147) }
```

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

```
.background{ background-color: rgb(57, 1,  
147) }
```

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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