

Converting Colors

CIELCh(20, 97.194, 306.821)

Have a look what the booklet for
CIELCh(20, 97.194, 306.821)
contains.

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Color

CIELCh(20, 97.085, 306.808)

Conversions

Conversions Part 1

Format	Color
Hex	1600A8
RGB	22, 0, 168
RGB Percent	9%, 0%, 66%
CMY	0.9147, 1.0000, 0.3416
CMYK	0.87, 1.00, 0.00, 0.34
HSL	248°, 100%, 33%
HSV	248°, 100%, 66%
XYZ	7.3832, 2.9891, 37.1869
YIQ	25.7300, -40.8160, 56.9120

Conversions

Conversions Part 2

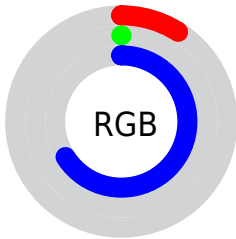
Format	Color
R_{YB}	22, 0, 168
Decimal	1441960
CIE _{Lab}	20.00, 58.17, -77.73
CIE _{LCh}	20, 97.085, 306.808
Yxy	2.9891, 0.1552, 0.0628
Android (android.graphics.Color)	4279632040 (0xFF1600A8)
YUV	25.7300, 70.1391, -3.2712
Hunter-Lab	17.2889, 45.9723, -115.4256

Details

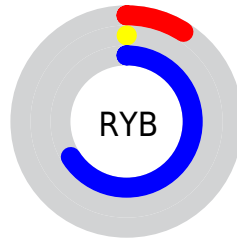
The CIELCh color **20, 97.085, 306.808** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **65, 71.684, 110.657**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **40, 96.994, 306.731**, and **11, 73.877, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **20, 97.056, 306.801**, and if you desaturate by 10%, it is **22, 91.502, 306.168**.

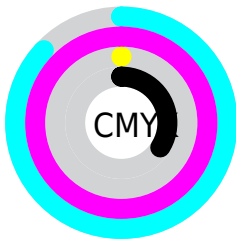
Distribution



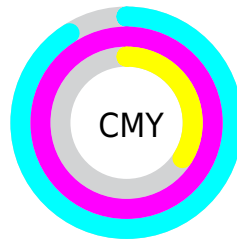
- Red (9%)
- Green (0%)
- Blue (66%)



- Red (9%)
- Yellow (0%)
- Blue (66%)



- Cyan (87%)
- Magenta (100%)
- Yellow (0%)
- Black (34%)



- Cyan (91%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 97.085, 306.808 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, 97.085, 306.808 by changing the saturation by 10% instead.

■ 20, 97.085,
306.808

■ 20, 97.085,
306.808

■ 100, 97.085,
306.808

■ 10, 97.085,
306.808

■ 40, 97.085,
306.808

■ 0, 97.085, 306.808

■ 50, 97.085,
306.808

■ 60, 97.085,
306.808

■ 70, 97.085,
306.808

■ 80, 97.085,
306.808

■ 90, 97.085,

306.808

■ 20, 97.085,
306.808

■ 20, 97.085,
306.808

■ 20, 97.056,
306.801

■ 22, 91.502,
306.168

■ 26, 83.386,
305.140

■ 30, 73.222,
303.738

■ 35, 62.194,
302.203

■ 41, 51.027,
300.699

■ 46, 40.071,
299.313

■ 52, 29.469,
298.078

■ 57, 19.261,
297.000

■ 63, 9.447, 296.068

Harmonies

Complementary

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



20, 97.085, 306.808



65, 71.684, 110.657

Rectangle

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



20, 97.085, 306.808



20, 97.085, 356.808



20, 97.085, 126.808



20, 97.085, 176.808

Sweetspot

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



20, 97.056, 306.801



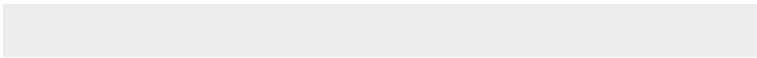
66, 36.661, 298.142



56, 32.294, 217.426



32, 25.174, 298.625



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



20, 97.056, 306.801



28, 118.594, 306.713



29, 88.966, 314.948



33, 5.349, 296.007



17, 88.346, 306.854



1, 9.597, 294.558

Inverse Universe

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



39, 76.408, 334.121



51, 93.065, 334.245



61, 82.535, 131.276



33, 5.881, 328.699



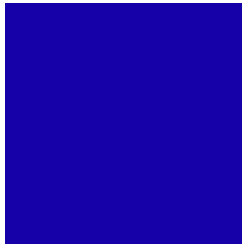
34, 69.681, 334.051



2, 10.337, 329.652

Previews

White Background



This preview shows how the CIE LCh color 20, 97.085, 306.808 looks on a white background.

Color Contrast Check

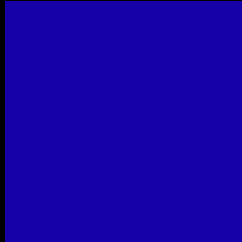
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 20, 97.085, 306.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

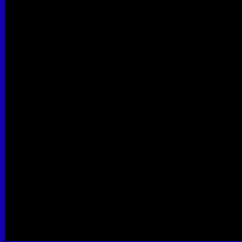
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 97.085, 306.808

Background



This preview shows how black text looks on a background with the CIELCh color 20, 97.085, 306.808.



This preview shows how white text looks on a background with the CIELCh color 20, 97.085, 306.808.

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, 97.085, 306.808

Protanopia

21, 36.784, 283.299

Deuteranopia

21, 25.512, 267.852

Trichromacy



Original Color
20, 97.085, 306.808

Protanomaly
18, 63.469, 299.994

Deuteranomaly
18, 56.176, 298.026

Monochromacy



Original Color
20, 97.085, 306.808

Achromatopsia
9, 0.003, 296.813

Achromatomaly
10, 43.616, 303.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 97.085, 306.808 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(22, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(22, 0, 168)  
}
```

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(22, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 0, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 97.085, 306.808 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(22, 0, 168) }
```

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

```
.border{ border-color:rgb(22, 0, 168) }
```

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

Here you see how a box with a 4 pixel rgb(22, 0, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(22, 0, 168)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 97.085, 306.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 0, 168) }
```

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

```
.background{ background-color: rgb(22, 0,  
168) }
```

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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