

Converting Colors

CIELCh(20, 76.395, 312.218)

Have a look what the booklet for
CIELCh(20, 76.395, 312.218)
contains.

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Color

CIELCh(20, 76.465, 312.221)

Conversions

Conversions Part 1

Format	Color
Hex	440286
RGB	68, 2, 134
RGB Percent	27%, 1%, 53%
CMY	0.7335, 0.9924, 0.4747
CMYK	0.49, 0.99, 0.00, 0.47
HSL	270°, 97%, 27%
HSV	270°, 99%, 53%
XYZ	6.7011, 2.9891, 22.7602
YIQ	36.7820, -3.0360, 55.0440

Conversions

Conversions Part 2

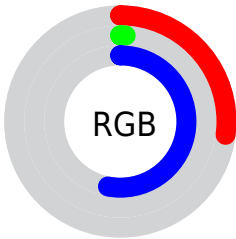
Format	Color
RYB	68, 2, 134
Decimal	4457094
CIELab	20.00, 51.38, -56.63
CIELCh	20, 76.465, 312.221
Yxy	2.9891, 0.2065, 0.0921
Android (android.graphics.Color)	4282647174 (0xFF440286)
YUV	36.7820, 47.9285, 27.3782
Hunter-Lab	17.2889, 38.9300, -65.9509

Details

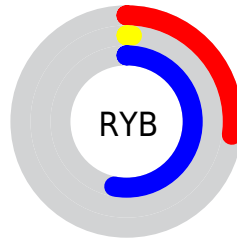
The CIELCh color **20, 76.465, 312.221** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **50, 66.860, 127.519**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 76.239, 312.244**, and **6, 57.831, 306.590** is the 20% darker color. If you saturate the color by 10%, you get **20, 77.136, 312.199**, and if you desaturate by 10%, it is **22, 71.997, 312.505**.

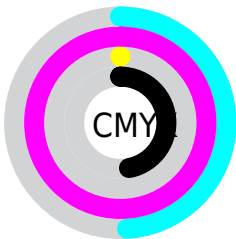
Distribution



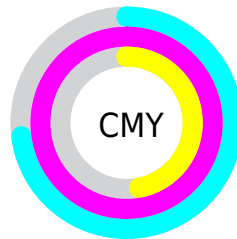
- Red (27%)
- Green (1%)
- Blue (53%)



- Red (27%)
- Yellow (1%)
- Blue (53%)



- Cyan (49%)
- Magenta (99%)
- Yellow (0%)
- Black (47%)





- Cyan (73%)
- Magenta (99%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 76.465, 312.221 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, 76.465, 312.221 by changing the saturation by 10% instead.

 20, 76.465,
312.221


 20, 76.465,
312.221


 100, 76.465,
312.221


 10, 76.465,
312.221


 40, 76.465,
312.221

 0, 76.465, 312.221

 50, 76.465,
312.221

 60, 76.465,
312.221

 70, 76.465,
312.221

 80, 76.465,
312.221

 90, 76.465,

312.221

■ 20, 76.465,
312.221

■ 20, 76.465,
312.221

■ 20, 77.136,
312.199

■ 22, 71.997,
312.505

■ 25, 66.082,
312.551

■ 28, 58.726,
312.327

■ 32, 50.484,
311.932

■ 36, 41.794,
311.445

■ 40, 32.955,
310.922

■ 44, 24.155,
310.399

■ 48, 15.501,
309.898

■ 52, 7.052, 309.425

Harmonies

Complementary

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



20, 76.465, 312.221



50, 66.860, 127.519

Rectangle

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



20, 76.465, 312.221



20, 76.465, 2.221



20, 76.465, 132.221



20, 76.465, 182.221

Sweetspot

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



20, 76.465, 312.222



55, 31.410, 310.508



29, 42.967, 282.197



26, 21.420, 310.695



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



20, 76.465, 312.222



27, 93.404, 311.951



31, 71.312, 328.217



26, 4.614, 309.451



19, 75.482, 312.232



0, 1.092, 309.068

Inverse Universe

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



28, 52.408, 0.291



37, 63.491, 1.787



48, 73.848, 136.100



26, 3.713, 344.338



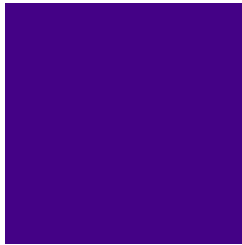
27, 51.558, 0.642



0, 0.880, 343.651

Previews

White Background



This preview shows how the CIE LCh color 20, 76.465, 312.221 looks on a white background.

Color Contrast Check

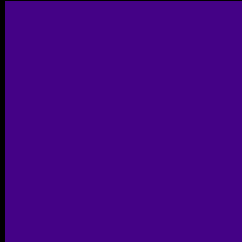
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.465, 312.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

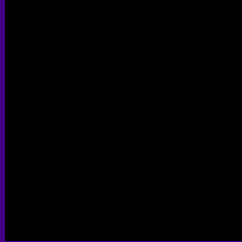
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 76.465, 312.221

Background



This preview shows how black text looks on a background with the CIELCh color 20, 76.465, 312.221.



This preview shows how white text looks on a background with the CIELCh color 20, 76.465, 312.221.

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

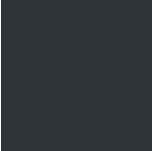
20, 76.465, 312.221

Protanopia

21, 36.784, 283.299

Deuteranopia

21, 26.059, 268.889



Tritanopia
21, 3.442, 250.956

Trichromacy



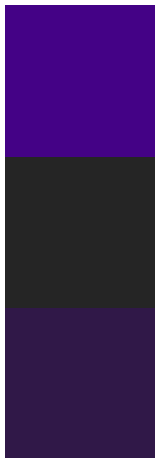
Original Color
20, 76.465, 312.221

Protanomaly
18, 55.302, 300.010

Deuteranomaly
17, 48.455, 298.433

Tritanomaly
18, 34.824, 309.450

Monochromacy



Original Color
20, 76.465, 312.221

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 34.401, 312.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 76.465, 312.221 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(68, 2, 134)` looks like.

```
.text, #text, p{  
    color:rgb(68, 2, 134)  
}
```

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(68, 2, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 2, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 76.465, 312.221 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(68, 2, 134) }
```

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

```
.border{ border-color:rgb(68, 2, 134) }
```

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

Here you see how a box with a 4 pixel rgb(68, 2, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 2, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 2, 134);  
box-shadow:4px 4px 4px 4px rgb(68, 2, 134)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 76.465, 312.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 2, 134) }
```

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

```
.background{ background-color: rgb(68, 2,  
134) }
```

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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