

Converting Colors

CIELCh(20, 82.656, 304.098)

Have a look what the booklet for
CIELCh(20, 82.656, 304.098)
contains.

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Color

CIELCh(20, 82.613, 304.037)

Conversions

Conversions Part 1

Format	Color
Hex	0E1799
RGB	14, 23, 153
RGB Percent	5%, 9%, 60%
CMY	0.9443, 0.9108, 0.4011
CMYK	0.91, 0.85, 0.00, 0.40
HSL	236°, 83%, 33%
HSV	236°, 91%, 60%
XYZ	6.2129, 2.9891, 30.2681
YIQ	35.1290, -47.0940, 38.5220

Conversions

Conversions Part 2

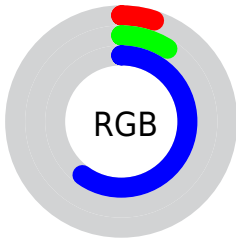
Format	Color
R_{YB}	14, 22, 153
Decimal	923545
CIE _{Lab}	20.00, 46.24, -68.46
CIE _{LCh}	20, 82.613, 304.037
Yxy	2.9891, 0.1574, 0.0757
Android (android.graphics.Color)	4279113625 (0xFF0E1799)
YUV	35.1290, 58.1104, -18.5301
Hunter-Lab	17.2889, 33.8896, -91.6984

Details

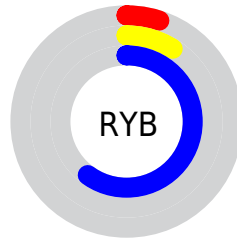
The CIELCh color **20, 82.613, 304.037** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **59, 61.246, 99.352**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 82.882, 304.088**, and **8, 67.812, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **18, 88.253, 305.357**, and if you desaturate by 10%, it is **23, 74.239, 301.980**.

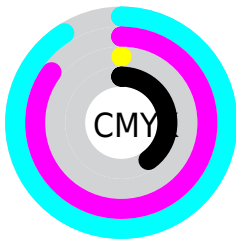
Distribution



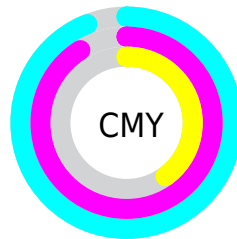
- Red (5%)
- Green (9%)
- Blue (60%)



- Red (5%)
- Yellow (9%)
- Blue (60%)



- Cyan (91%)
- Magenta (85%)
- Yellow (0%)
- Black (40%)





- Cyan (94%)
- Magenta (91%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 82.613, 304.037 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, 82.613, 304.037 by changing the saturation by 10% instead.

 20, 82.613,
304.037


 20, 82.613,
304.037


 100, 82.613,
304.037


 10, 82.613,
304.037


 40, 82.613,
304.037

 0, 82.613, 304.037

 50, 82.613,
304.037

 60, 82.613,
304.037

 70, 82.613,
304.037

 80, 82.613,
304.037

 90, 82.613,

304.037

■ 20, 82.613,
304.037

■ 20, 82.613,
304.037

■ 18, 88.253,
305.357

■ 23, 74.239,
301.980

■ 27, 64.590,
299.635

■ 32, 54.598,
297.278

■ 37, 44.740,
295.082

■ 42, 35.202,
293.126

■ 47, 26.029,
291.426

■ 52, 17.215,
289.969

■ 58, 8.736, 288.727

■ 63, 0.567, 287.784

Harmonies

Complementary

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



20, 82.613, 304.037



59, 61.246, 99.352

Rectangle

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



20, 82.613, 304.037



20, 82.613, 354.037



20, 82.613, 124.037



20, 82.613, 174.037

Sweetspot

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



20, 82.614, 304.038



63, 28.218, 290.941



57, 35.316, 187.563



31, 19.079, 291.414



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



20, 82.614, 304.038



25, 108.266, 305.604



24, 81.760, 310.886



30, 4.610, 288.561



16, 82.639, 305.259



0, 4.914, 287.633

Inverse Universe

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



32, 63.625, 33.725



41, 84.195, 37.766



57, 69.663, 124.612



30, 3.446, 14.898



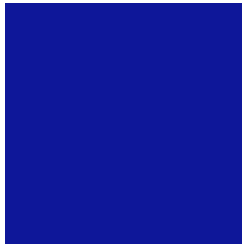
28, 64.084, 36.551



1, 3.614, 14.367

Previews

White Background



This preview shows how the CIE LCh color 20, 82.613, 304.037 looks on a white background.

Color Contrast Check

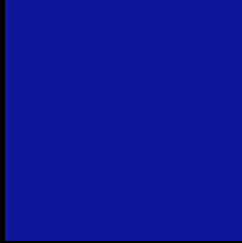
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.613, 304.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

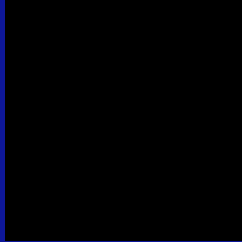
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 82.613, 304.037

Background



This preview shows how black text looks on a background with the CIELCh color 20, 82.613, 304.037.



This preview shows how white text looks on a background with the CIELCh color 20, 82.613, 304.037.

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, 82.642, 303.998

Protanopia

20, 35.668, 283.136

Deuteranopia

20, 24.925, 267.900



Tritanopia
20, 16.442, 203.764

Trichromacy



Original Color
20, 82.642, 303.998

Protanomaly
19, 53.872, 295.870

Deuteranomaly
19, 46.847, 292.845

Tritanomaly
18, 33.993, 284.741

Monochromacy



Original Color
20, 82.642, 303.998

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 33.168, 296.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 82.613, 304.037 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(14, 23, 153)` looks like.

```
.text, #text, p{  
    color:rgb(14, 23, 153)  
}
```

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(14, 23, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 23, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 82.613, 304.037 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(14, 23, 153) }
```

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

```
.border{ border-color:rgb(14, 23, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 23, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 23, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 23, 153);  
box-shadow:4px 4px 4px 4px rgb(14, 23,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 82.613, 304.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 23, 153) }
```

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

```
.background{ background-color: rgb(14, 23,  
153) }
```

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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