

Converting Colors

CIELCh(23, 85.714, 304.151)

Have a look what the booklet for
CIELCh(23, 85.714, 304.151)
contains.

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Color

CIELCh(23, 85.814, 304.175)

Conversions

Conversions Part 1

Format	Color
Hex	1C1CA5
RGB	28, 28, 165
RGB Percent	11%, 11%, 65%
CMY	0.8897, 0.8900, 0.3527
CMYK	0.83, 0.83, 0.00, 0.35
HSL	240°, 71%, 38%
HSV	240°, 83%, 65%
XYZ	7.6956, 3.8003, 35.9540
YIQ	43.6180, -43.9770, 42.6070

Conversions

Conversions Part 2

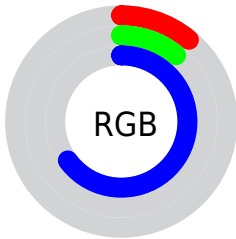
Format	Color
R_{YB}	28, 28, 165
Decimal	1842341
CIE _{Lab}	23.00, 48.20, -71.00
CIE _{LCh}	23, 85.814, 304.175
Yxy	3.8003, 0.1622, 0.0801
Android (android.graphics.Color)	4280032421 (0xFF1C1CA5)
YUV	43.6180, 59.8413, -13.6970
Hunter-Lab	19.4944, 36.3491, -95.7041

Details

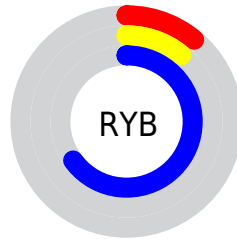
The CIELCh color **23, 85.814, 304.175** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **66, 65.284, 103.348**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 85.497, 304.141**, and **10, 72.952, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **20, 92.998, 305.586**, and if you desaturate by 10%, it is **27, 75.964, 302.222**.

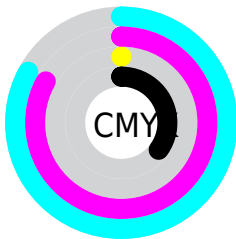
Distribution



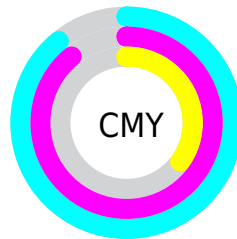
- Red (11%)
- Green (11%)
- Blue (65%)



- Red (11%)
- Yellow (11%)
- Blue (65%)



- Cyan (83%)
- Magenta (83%)
- Yellow (0%)
- Black (35%)





- Cyan (89%)
- Magenta (89%)
- Yellow (35%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 85.814, 304.175 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 23, 85.814, 304.175 by changing the saturation by 10% instead.

 23, 85.814,
304.175


 23, 85.814,
304.175

 100, 85.814,
304.175


 13, 85.814,
304.175


 43, 85.814,
304.175


 3, 85.814, 304.175

 53, 85.814,
304.175

 0, 85.814, 304.175

 63, 85.814,
304.175

 73, 85.814,
304.175

 83, 85.814,
304.175

 93, 85.814,

304.175

■ 23, 85.814,
304.175

■ 23, 85.814,
304.175

■ 20, 92.998,
305.586

■ 27, 75.964,
302.222

■ 19, 96.629,
306.289

■ 32, 64.931,
300.052

■ 37, 53.685,
297.926

■ 43, 42.678,
295.982

■ 49, 32.069,
294.276

■ 54, 21.891,
292.807

■ 60, 12.129,
291.557

■ 66, 2.755, 290.508

■ 72, 6.260, 109.574

Harmonies

Complementary

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



23, 85.814, 304.175



66, 65.284, 103.348

Rectangle

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



23, 85.814, 304.175



23, 85.814, 354.175



23, 85.814, 124.175



23, 85.814, 174.175

Sweetspot

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



23, 85.815, 304.176



68, 29.558, 293.146



62, 34.734, 196.502



33, 20.270, 293.627



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



23, 85.815, 304.176



26, 117.315, 306.289



30, 81.333, 312.561



31, 5.189, 291.139



16, 88.022, 306.289



0, 7.947, 290.198

Inverse Universe

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



40, 78.775, 328.061



51, 101.273, 328.256



61, 72.006, 126.567



32, 6.265, 324.933



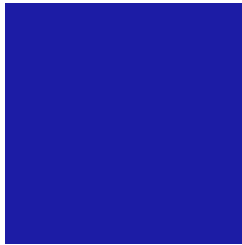
34, 75.988, 328.255



2, 9.699, 324.459

Previews

White Background



This preview shows how the CIE LCh color 23, 85.814, 304.175 looks on a white background.

Color Contrast Check

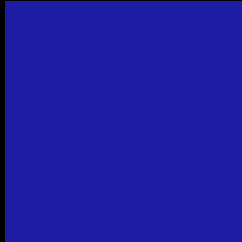
Large Text (above 18pt) WCAG AA ✓ Pass

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 23, 85.814, 304.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

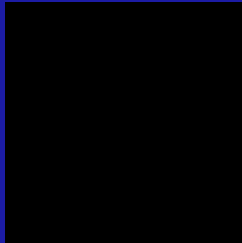
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 85.814, 304.175

Background



This preview shows how black text looks on a background with the CIELCh color 23, 85.814, 304.175.



This preview shows how white text looks on a background with the CIELCh color 23, 85.814, 304.175.

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


23, 85.814, 304.175

Protanopia

23, 39.601, 284.044

Deuteranopia

23, 27.215, 268.746



Tritanopia
23, 17.795, 203.070

Trichromacy



Original Color
23, 85.814, 304.175

Protanomaly
22, 57.424, 295.753

Deuteranomaly
21, 49.394, 292.878

Tritanomaly
21, 34.741, 283.324

Monochromacy



Original Color
23, 85.814, 304.175

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 34.345, 297.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 85.814, 304.175 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(28, 28, 165)` looks like.

```
.text, #text, p{  
    color:rgb(28, 28, 165)  
}
```

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(28, 28, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 28, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 85.814, 304.175 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(28, 28, 165) }
```

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

```
.border{ border-color:rgb(28, 28, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 28, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 28, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 28, 165);  
box-shadow:4px 4px 4px 4px rgb(28, 28,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 85.814, 304.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 28, 165) }
```

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

```
.background{ background-color: rgb(28, 28,  
165) }
```

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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