

Converting Colors

CIELCh(23, 91.478, 306.490)

Have a look what the booklet for
CIELCh(23, 91.478, 306.490)
contains.

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Color

CIELCh(23, 91.246, 306.422)

Conversions

Conversions Part 1

Format	Color
Hex	2A12A9
RGB	42, 18, 169
RGB Percent	16%, 7%, 66%
CMY	0.8346, 0.9290, 0.3368
CMYK	0.75, 0.89, 0.00, 0.34
HSL	250°, 81%, 37%
HSV	250°, 89%, 66%
XYZ	8.3507, 3.8003, 37.8807
YIQ	42.3900, -34.1670, 52.0490

Conversions

Conversions Part 2

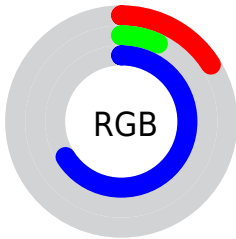
Format	Color
R_{YB}	42, 18, 169
Decimal	2757289
CIE _{Lab}	23.00, 54.18, -73.42
CIE _{LCh}	23, 91.246, 306.422
Yxy	3.8003, 0.1669, 0.0760
Android (android.graphics.Color)	4280947369 (0xFF2A12A9)
YUV	42.3900, 62.4187, -0.3420
Hunter-Lab	19.4944, 42.3476, -101.5638

Details

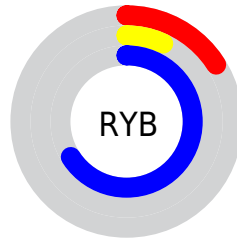
The CIELCh color **23, 91.246, 306.422** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **65, 69.768, 111.912**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 91.272, 306.360**, and **11, 74.338, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **21, 96.903, 306.941**, and if you desaturate by 10%, it is **27, 82.976, 305.491**.

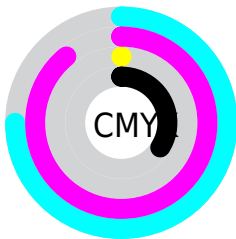
Distribution



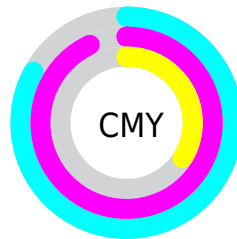
- Red (16%)
- Green (7%)
- Blue (66%)



- Red (16%)
- Yellow (7%)
- Blue (66%)



- Cyan (75%)
- Magenta (89%)
- Yellow (0%)
- Black (34%)





- Cyan (83%)
- Magenta (93%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 91.246, 306.422 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, 91.246, 306.422 by changing the saturation by 10% instead.

 23, 91.246,
306.422


 23, 91.246,
306.422

 100, 91.246,
306.422


 13, 91.246,
306.422


 43, 91.246,
306.422


 3, 91.246, 306.422

 53, 91.246,
306.422

 0, 91.246, 306.422

 63, 91.246,
306.422

 73, 91.246,
306.422

 83, 91.246,
306.422

 93, 91.246,

306.422

■ 23, 91.246,
306.422

■ 23, 91.246,
306.422

■ 21, 96.903,
306.941

■ 27, 82.976,
305.491

■ 20, 97.288,
306.987

■ 31, 72.763,
304.211

■ 36, 61.727,
302.805

■ 41, 50.553,
301.422

■ 47, 39.579,
300.143

■ 53, 28.945,
298.998

■ 58, 18.697,
297.995

■ 64, 8.837, 297.124

■ 70, 0.650, 116.367

Harmonies

Complementary

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



23, 91.246, 306.422



65, 69.768, 111.912

Rectangle

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



23, 91.246, 306.422



23, 91.246, 356.422



23, 91.246, 126.422



23, 91.246, 176.422

Sweetspot

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



23, 91.247, 306.423



69, 32.847, 298.806



56, 31.461, 221.689



34, 22.239, 299.153



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



23, 91.247, 306.423



28, 118.273, 306.887



32, 84.874, 316.463



33, 5.361, 297.123



17, 88.080, 307.052



1, 9.613, 295.557

Inverse Universe

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



39, 73.572, 334.896



50, 90.934, 335.882



61, 79.829, 131.340



33, 5.759, 329.670



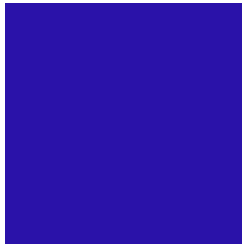
33, 68.127, 335.628



2, 10.064, 330.943

Previews

White Background



This preview shows how the CIE LCh color 23, 91.246, 306.422 looks on a white background.

Color Contrast Check

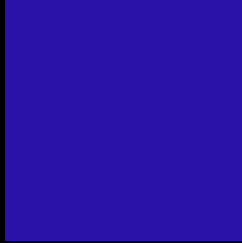
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.246, 306.422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

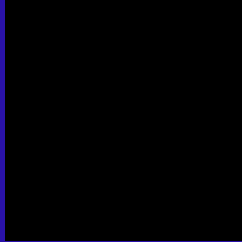
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 91.246, 306.422

Background



This preview shows how black text looks on a background with the CIELCh color 23, 91.246, 306.422.



This preview shows how white text looks on a background with the CIELCh color 23, 91.246, 306.422.

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, 91.246, 306.422

Protanopia

23, 39.601, 284.044

Deuteranopia

23, 27.232, 268.232



Tritanopia
23, 17.795, 203.070

Trichromacy



Original Color
23, 91.246, 306.422

Protanomaly
22, 60.749, 297.896

Deuteranomaly
21, 53.319, 295.519

Tritanomaly
20, 38.675, 288.543

Monochromacy



Original Color
23, 91.246, 306.422

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 37.913, 302.702

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 91.246, 306.422 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(42, 18, 169)` looks like.

```
.text, #text, p{  
    color:rgb(42, 18, 169)  
}
```

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(42, 18, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 18, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 91.246, 306.422 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(42, 18, 169) }
```

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

```
.border{ border-color:rgb(42, 18, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 18, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 18, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 18, 169);  
box-shadow:4px 4px 4px 4px rgb(42, 18,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 91.246, 306.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 18, 169) }
```

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

```
.background{ background-color: rgb(42, 18,  
169) }
```

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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