

Converting Colors

CIELCh(23, 46.875, 335.035)

Have a look what the booklet for
CIELCh(23, 46.875, 335.035)
contains.

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Color

CIELCh(23, 46.974, 335.149)

Conversions

Conversions Part 1

Format	Color
Hex	641255
RGB	100, 18, 85
RGB Percent	39%, 7%, 33%
CMY	0.6078, 0.9293, 0.6666
CMYK	0.00, 0.82, 0.15, 0.61
HSL	311°, 69%, 23%
HSV	311°, 82%, 39%
XYZ	7.1153, 3.8003, 8.9571
YIQ	50.1560, 27.3650, 38.2210

Conversions

Conversions Part 2

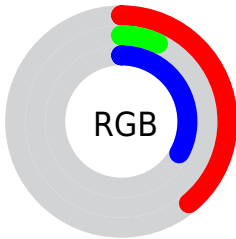
Format	Color
RYB	100, 18, 85
Decimal	6558293
CIELab	23.00, 42.62, -19.74
CIELCh	23, 46.974, 335.149
Yxy	3.8003, 0.3580, 0.1912
Android (android.graphics.Color)	4284748373 (0xFF641255)
YUV	50.1560, 17.1781, 43.7132
Hunter-Lab	19.4944, 31.0360, -13.5960

Details

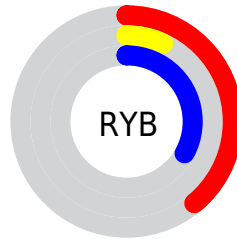
The CIELCh color **23, 46.974, 335.149** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **37, 49.218, 141.661**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 46.827, 335.323**, and **8, 32.194, 337.080** is the 20% darker color. If you saturate the color by 10%, you get **22, 49.261, 335.921**, and if you desaturate by 10%, it is **24, 43.452, 334.432**.

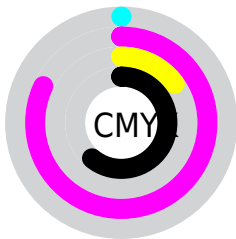
Distribution



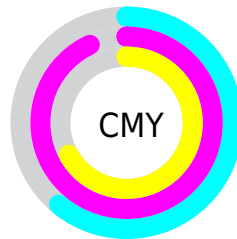
- Red (39%)
- Green (7%)
- Blue (33%)



- Red (39%)
- Yellow (7%)
- Blue (33%)



- Cyan (0%)
- Magenta (82%)
- Yellow (15%)
- Black (61%)





- Cyan (61%)
- Magenta (93%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 46.974, 335.149 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, 46.974, 335.149 by changing the saturation by 10% instead.

 23, 46.974,
335.149

 23, 46.974,
335.149

 100, 46.974,
335.149

 13, 46.974,
335.149


 43, 46.974,
335.149


 3, 46.974, 335.149

 53, 46.974,
335.149

 0, 46.974, 335.149

 63, 46.974,
335.149

 73, 46.974,
335.149

 83, 46.974,
335.149

 93, 46.974,

335.149

■ 23, 46.974,
335.149

■ 23, 46.974,
335.149

■ 22, 49.261,
335.921

■ 24, 43.452,
334.432

■ 21, 50.842,
336.537

■ 26, 38.846,
333.752

■ 28, 33.401,
333.094

■ 31, 27.373,
332.452

■ 33, 20.990,
331.824

■ 36, 14.431,
331.209

■ 39, 7.832, 330.605

■ 42, 1.284, 329.910

■ 45, 5.151, 149.536

Harmonies

Complementary

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



23, 46.974, 335.149



37, 49.218, 141.661

Rectangle

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



23, 46.974, 335.149



23, 46.974, 25.149



23, 46.974, 155.149



23, 46.974, 205.149

Sweetspot

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



23, 46.972, 335.149



45, 20.383, 331.439



14, 55.829, 305.439



22, 14.014, 331.593



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



23, 46.972, 335.149



29, 60.742, 336.660



21, 37.959, 7.581



20, 3.725, 330.420



25, 55.912, 336.697



55, 96.185, 337.321

Inverse Universe

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



23, 46.972, 335.149



29, 60.742, 336.660



37, 32.074, 163.945



20, 3.725, 330.420



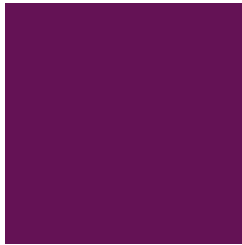
25, 55.912, 336.697



55, 96.185, 337.321

Previews

White Background



This preview shows how the CIE LCh color 23, 46.974, 335.149 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 23, 46.974, 335.149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

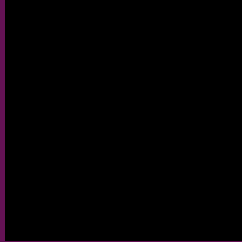
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 46.974, 335.149

Background



This preview shows how black text looks on a background with the CIELCh color 23, 46.974, 335.149.



This preview shows how white text looks on a background with the CIELCh color 23, 46.974, 335.149.

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, 46.974, 335.149

Protanopia

24, 40.577, 285.910

Deuteranopia

24, 16.048, 284.098



Tritanopia
24, 29.710, 24.395

Trichromacy



Original Color
23, 46.974, 335.149

Protanomaly
21, 42.263, 299.527

Deuteranomaly
22, 28.498, 316.042

Tritanomaly
23, 32.834, 359.476

Monochromacy



Original Color
23, 46.974, 335.149

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 21.133, 331.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 46.974, 335.149 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(100, 18, 85)` looks like.

```
.text, #text, p{  
    color:rgb(100, 18, 85)  
}
```

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(100, 18, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 18, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 46.974, 335.149 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(100, 18, 85) }
```

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

```
.border{ border-color:rgb(100, 18, 85) }
```

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

Here you see how a box with a 4 pixel rgb(100, 18, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 18, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 18, 85);  
box-shadow:4px 4px 4px 4px rgb(100, 18,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 46.974, 335.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 18, 85) }
```

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

```
.background{ background-color: rgb(100, 18,  
85) }
```

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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