

Converting Colors

CIELCh(23, 45.902, 346.372)

Have a look what the booklet for
CIELCh(23, 45.902, 346.372)
contains.

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Color

CIELCh(23, 45.964, 346.436)

Conversions

Conversions Part 1

Format	Color
Hex	6B0A48
RGB	107, 10, 72
RGB Percent	42%, 4%, 28%
CMY	0.5808, 0.9614, 0.7180
CMYK	0.00, 0.91, 0.33, 0.58
HSL	322°, 83%, 23%
HSV	322°, 91%, 42%
XYZ	7.3258, 3.8003, 6.4641
YIQ	46.0710, 37.9100, 39.8460

Conversions

Conversions Part 2

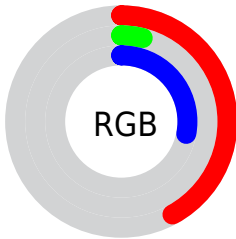
Format	Color
R_{YB}	107, 10, 72
Decimal	7014984
CIE _{Lab}	23.00, 44.68, -10.78
CIE _{LCh}	23, 45.964, 346.436
Yxy	3.8003, 0.4165, 0.2160
Android (android.graphics.Color)	4285205064 (0xFF6B0A48)
YUV	46.0710, 12.7830, 53.4347
Hunter-Lab	19.4944, 32.9632, -6.0139

Details

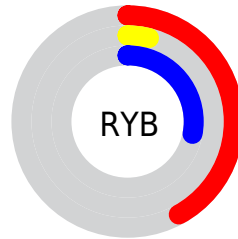
The CIELCh color **23, 45.964, 346.436** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **39, 48.784, 145.917**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 46.233, 346.202**, and **8, 29.587, 354.187** is the 20% darker color. If you saturate the color by 10%, you get **22, 47.449, 348.166**, and if you desaturate by 10%, it is **24, 43.822, 344.680**.

Distribution



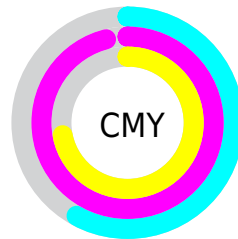
- Red (42%)
- Green (4%)
- Blue (28%)



- Red (42%)
- Yellow (4%)
- Blue (28%)



- Cyan (0%)
- Magenta (91%)
- Yellow (33%)
- Black (58%)





- Cyan (58%)
- Magenta (96%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 45.964, 346.436 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, 45.964, 346.436 by changing the saturation by 10% instead.

 23, 45.964,
346.436


 23, 45.964,
346.436

 100, 45.964,
346.436


 13, 45.964,
346.436


 43, 45.964,
346.436


 3, 45.964, 346.436

 53, 45.964,
346.436

 0, 45.964, 346.436

 63, 45.964,
346.436

 73, 45.964,
346.436

 83, 45.964,
346.436

 93, 45.964,

346.436

■ 23, 45.964,
346.436

■ 23, 45.964,
346.436

■ 22, 47.449,
348.166

■ 24, 43.822,
344.680

■ 26, 40.423,
343.225

■ 28, 35.967,
341.991

■ 30, 30.725,
340.917

■ 33, 24.963,
339.962

■ 36, 18.909,
339.095

■ 39, 12.736,
338.296

■ 42, 6.565, 337.544

■ 45, 0.479, 336.420

Harmonies

Complementary

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



23, 45.964, 346.436



39, 48.784, 145.917

Rectangle

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



23, 45.964, 346.436



23, 45.964, 36.436



23, 45.964, 166.436



23, 45.964, 216.436

Sweetspot

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



23, 45.962, 346.437



48, 20.717, 338.847



14, 62.671, 309.207



23, 14.071, 339.051



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



23, 45.962, 346.437



30, 57.344, 348.943



22, 45.379, 26.397



21, 3.420, 337.409



25, 50.584, 348.449



54, 86.093, 350.103

Inverse Universe

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



23, 45.962, 346.437



30, 57.344, 348.943



40, 29.303, 178.259



21, 3.420, 337.409



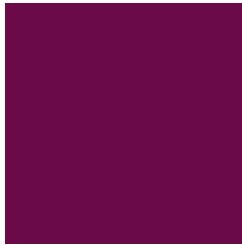
25, 50.584, 348.449



54, 86.093, 350.103

Previews

White Background



This preview shows how the CIE LCh color 23, 45.964, 346.436 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, 45.964, 346.436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

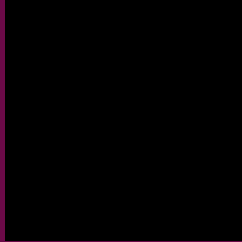
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 45.964, 346.436

Background



This preview shows how black text looks on a background with the CIELCh color 23, 45.964, 346.436.



This preview shows how white text looks on a background with the CIELCh color 23, 45.964, 346.436.

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, 45.964, 346.436

Protanopia

24, 30.571, 285.847

Deuteranopia

24, 7.368, 298.400



Tritanopia
23, 37.943, 27.978

Trichromacy



Original Color
23, 45.964, 346.436

Protanomaly
21, 35.733, 310.012

Deuteranomaly
22, 25.036, 333.000

Tritanomaly
23, 38.480, 10.355

Monochromacy



Original Color
23, 45.964, 346.436

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 21.339, 341.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 45.964, 346.436 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(107, 10, 72)` looks like.

```
.text, #text, p{  
    color:rgb(107, 10, 72)  
}
```

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(107, 10, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 10, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 45.964, 346.436 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(107, 10, 72) }
```

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

```
.border{ border-color:rgb(107, 10, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 10, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 10, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 10, 72);  
box-shadow:4px 4px 4px 4px rgb(107, 10,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 45.964, 346.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 10, 72) }
```

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

```
.background{ background-color: rgb(107, 10,  
72) }
```

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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