

Converting Colors

CIELCh(23, 41.590, 346.657)

Have a look what the booklet for
CIELCh(23, 41.590, 346.657)
contains.

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Color

CIELCh(23, 41.669, 346.945)

Conversions

Conversions Part 1

Format	Color
Hex	671446
RGB	103, 20, 70
RGB Percent	40%, 8%, 27%
CMY	0.5970, 0.9226, 0.7263
CMYK	0.00, 0.81, 0.32, 0.60
HSL	324°, 68%, 24%
HSV	324°, 81%, 40%
XYZ	6.9114, 3.8003, 6.1302
YIQ	50.5170, 33.4180, 33.1460

Conversions

Conversions Part 2

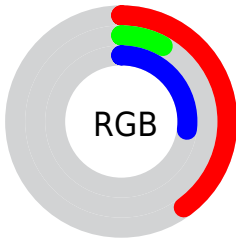
Format	Color
R_{YB}	103, 20, 70
Decimal	6755398
CIE _{Lab}	23.00, 40.59, -9.41
CIE _{LCh}	23, 41.669, 346.945
Yxy	3.8003, 0.4104, 0.2256
Android (android.graphics.Color)	4284945478 (0xFF671446)
YUV	50.5170, 9.6051, 46.0276
Hunter-Lab	19.4944, 29.1691, -4.9981

Details

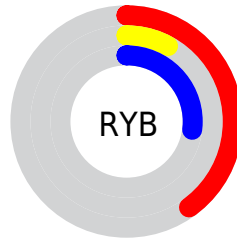
The CIELCh color **23, 41.669, 346.945** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **38, 42.169, 149.312**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 41.365, 347.203**, and **8, 28.501, 354.431** is the 20% darker color. If you saturate the color by 10%, you get **22, 43.781, 348.925**, and if you desaturate by 10%, it is **25, 38.374, 345.321**.

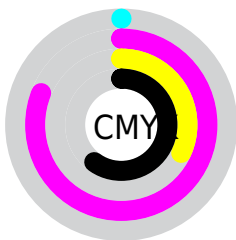
Distribution



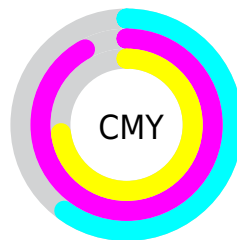
- Red (40%)
- Green (8%)
- Blue (27%)



- Red (40%)
- Yellow (8%)
- Blue (27%)



- Cyan (0%)
- Magenta (81%)
- Yellow (32%)
- Black (60%)





- Cyan (60%)
- Magenta (92%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 41.669, 346.945 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, 41.669, 346.945 by changing the saturation by 10% instead.

 23, 41.669,
346.945


 23, 41.669,
346.945

 100, 41.669,
346.945


 13, 41.669,
346.945


 43, 41.669,
346.945


 3, 41.669, 346.945

 53, 41.669,
346.945

 0, 41.669, 346.945

 63, 41.669,
346.945

 73, 41.669,
346.945

 83, 41.669,
346.945

 93, 41.669,

346.945

■ 23, 41.669,
346.945

■ 23, 41.669,
346.945

■ 22, 43.781,
348.925

■ 25, 38.374,
345.321

■ 21, 45.341,
350.854

■ 27, 34.096,
343.961

■ 29, 29.091,
342.793

■ 31, 23.611,
341.767

■ 34, 17.869,
340.847

■ 37, 12.027,
340.008

■ 40, 6.198, 339.224

■ 43, 0.456, 338.052

■ 46, 5.154, 157.937

Harmonies

Complementary

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



23, 41.669, 346.945



38, 42.169, 149.312

Rectangle

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



23, 41.669, 346.945



23, 41.669, 36.945



23, 41.669, 166.945



23, 41.669, 216.945

Sweetspot

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



23, 41.667, 346.946



46, 17.144, 340.325



16, 55.228, 309.656



22, 11.693, 340.538



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, 41.667, 346.946



28, 53.709, 351.007



22, 40.374, 24.548



20, 3.198, 339.079



24, 48.911, 351.253



53, 83.921, 353.227

Inverse Universe

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



23, 41.667, 346.946



28, 53.709, 351.007



39, 26.134, 183.030



20, 3.198, 339.079



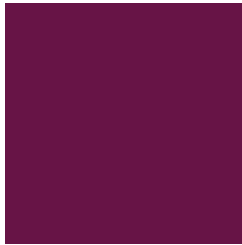
24, 48.911, 351.253



53, 83.921, 353.227

Previews

White Background



This preview shows how the CIE LCh color 23, 41.669, 346.945 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, 41.669, 346.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

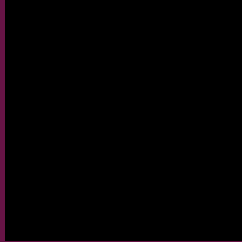
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 41.669, 346.945

Background



This preview shows how black text looks on a background with the CIELCh color 23, 41.669, 346.945.



This preview shows how white text looks on a background with the CIELCh color 23, 41.669, 346.945.

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, 41.669, 346.945

Protanopia
24, 26.002, 284.882

Deuteranopia
24, 6.803, 302.622



Tritanopia
23, 34.423, 26.491

Trichromacy



Original Color
23, 41.669, 346.945

Protanomaly
22, 29.771, 310.298

Deuteranomaly
22, 21.457, 333.785

Tritanomaly
23, 34.729, 10.350

Monochromacy



Original Color
23, 41.669, 346.945

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 18.052, 341.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 41.669, 346.945 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(103, 20, 70)` looks like.

```
.text, #text, p{  
    color:rgb(103, 20, 70)  
}
```

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(103, 20, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 20, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 41.669, 346.945 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(103, 20, 70) }
```

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

```
.border{ border-color:rgb(103, 20, 70) }
```

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

Here you see how a box with a 4 pixel rgb(103, 20, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 20, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 20, 70);  
box-shadow:4px 4px 4px 4px rgb(103, 20,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 41.669, 346.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 20, 70) }
```

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

```
.background{ background-color: rgb(103, 20,  
70) }
```

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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