

Converting Colors

CIELCh(23, 45.617, 345.928)

Have a look what the booklet for
CIELCh(23, 45.617, 345.928)
contains.

CIELCh(23, 45.559, 346.021)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(23, 45.559, 346.021)

Conversions

Conversions Part 1

Format	Color
Hex	6A0B48
RGB	106, 11, 72
RGB Percent	42%, 4%, 28%
CMY	0.5833, 0.9552, 0.7167
CMYK	0.00, 0.89, 0.32, 0.58
HSL	322°, 81%, 23%
HSV	322°, 89%, 42%
XYZ	7.2771, 3.8003, 6.5204
YIQ	46.3590, 37.0390, 39.1110

Conversions

Conversions Part 2

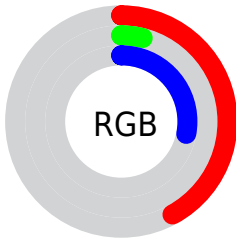
Format	Color
R_{YB}	106, 11, 72
Decimal	6949704
CIE _{Lab}	23.00, 44.21, -11.01
CIE _{LCh}	23, 45.559, 346.021
Yxy	3.8003, 0.4135, 0.2160
Android (android.graphics.Color)	4285139784 (0xFF6A0B48)
YUV	46.3590, 12.6410, 52.3052
Hunter-Lab	19.4944, 32.5175, -6.1848

Details

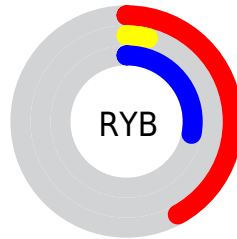
The CIELCh color **23, 45.559, 346.021** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **39, 48.061, 146.157**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 45.983, 345.803**, and **8, 29.366, 353.352** is the 20% darker color. If you saturate the color by 10%, you get **22, 47.166, 347.889**, and if you desaturate by 10%, it is **24, 43.218, 344.331**.

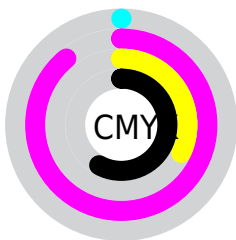
Distribution



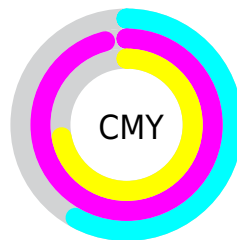
- Red (42%)
- Green (4%)
- Blue (28%)



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



- Cyan (0%)
- Magenta (89%)
- Yellow (32%)
- Black (58%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 45.559, 346.021 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, 45.559, 346.021 by changing the saturation by 10% instead.

 23, 45.559,
346.021


 23, 45.559,
346.021

 100, 45.559,
346.021


 13, 45.559,
346.021


 43, 45.559,
346.021


 3, 45.559, 346.021

 53, 45.559,
346.021

 0, 45.559, 346.021

 63, 45.559,
346.021

 73, 45.559,
346.021

 83, 45.559,
346.021

 93, 45.559,

346.021

■ 23, 45.559,
346.021

■ 23, 45.559,
346.021

■ 22, 47.166,
347.889

■ 24, 43.218,
344.331

■ 22, 47.296,
348.025

■ 26, 39.650,
342.924

■ 28, 35.070,
341.726

■ 30, 29.751,
340.678

■ 33, 23.953,
339.742

■ 36, 17.895,
338.890

■ 39, 11.739,
338.103

■ 42, 5.601, 337.357

■ 45, 0.445, 157.227

Harmonies

Complementary

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



23, 45.559, 346.021



39, 48.061, 146.157

Rectangle

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



23, 45.559, 346.021



23, 45.559, 36.021



23, 45.559, 166.021



23, 45.559, 216.021

Sweetspot

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



23, 45.557, 346.022



47, 20.431, 338.768



15, 61.632, 309.184



22, 13.666, 338.960



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



23, 45.557, 346.022



30, 56.653, 348.767



22, 44.541, 25.682



21, 3.424, 337.336



25, 50.628, 348.325



54, 86.167, 349.966

Inverse Universe

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



23, 45.557, 346.022



30, 56.653, 348.767



40, 28.965, 178.473



21, 3.424, 337.336



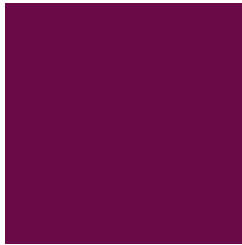
25, 50.628, 348.325



54, 86.167, 349.966

Previews

White Background



This preview shows how the CIE LCh color 23, 45.559, 346.021 looks on a white background.

Color Contrast Check

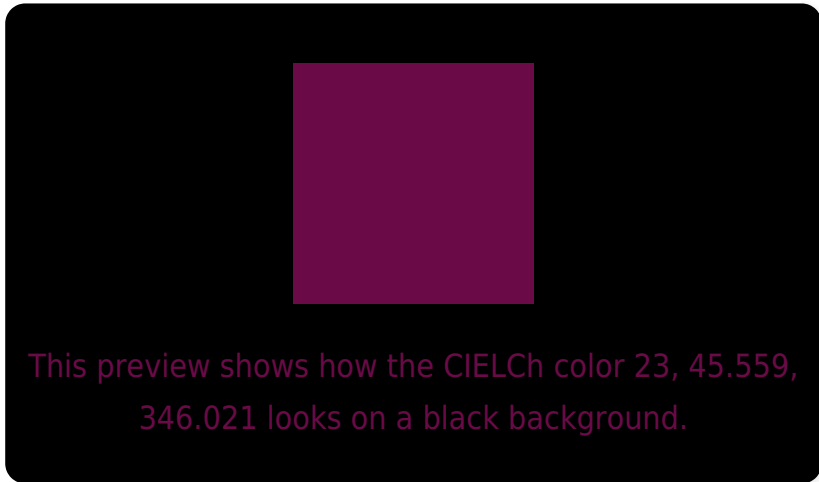
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

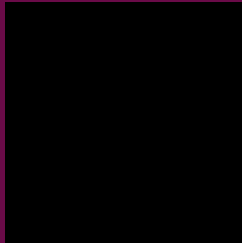
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 45.559, 346.021

Background



This preview shows how black text looks on a background with the CIELCh color 23, 45.559, 346.021.



This preview shows how white text looks on a background with the CIELCh color 23, 45.559, 346.021.

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, 45.559, 346.021

Protanopia

24, 30.606, 285.405

Deuteranopia

24, 7.368, 298.400



Tritanopia
23, 37.177, 28.459

Trichromacy



Original Color
23, 45.559, 346.021

Protanomaly
21, 35.010, 309.623

Deuteranomaly
22, 24.315, 333.119

Tritanomaly
23, 37.768, 10.347

Monochromacy



Original Color
23, 45.559, 346.021

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 21.304, 341.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 45.559, 346.021 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(106, 11, 72)` looks like.

```
.text, #text, p{  
    color:rgb(106, 11, 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(106, 11, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 11, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 45.559, 346.021 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(106, 11, 72) }
```

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

```
.border{ border-color:rgb(106, 11, 72) }
```

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

Here you see how a box with a 4 pixel rgb(106, 11, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 11, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 11, 72);  
box-shadow:4px 4px 4px 4px rgb(106, 11,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 45.559, 346.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 11, 72) }
```

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

```
.background{ background-color: rgb(106, 11,  
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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