

Converting Colors

CIELCh(23, 30.718, 344.391)

Have a look what the booklet for
CIELCh(23, 30.718, 344.391)
contains.

CIELCh(23, 30.723, 344.037)	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, 30.723, 344.037)

Conversions

Conversions Part 1

Format	Color
Hex	5A2344
RGB	90, 35, 68
RGB Percent	35%, 14%, 27%
CMY	0.6468, 0.8625, 0.7331
CMYK	0.00, 0.61, 0.24, 0.65
HSL	324°, 44%, 25%
HSV	324°, 61%, 35%
XYZ	5.8704, 3.8003, 5.9020
YIQ	55.2070, 22.1870, 21.9230

Conversions

Conversions Part 2

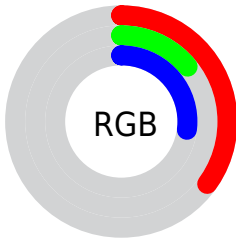
Format	Color
R_{YB}	90, 35, 68
Decimal	5907268
CIE Lab	23.00, 29.54, -8.45
CIE LCh	23, 30.723, 344.037
Yxy	3.8003, 0.3770, 0.2440
Android (android.graphics.Color)	4284097348 (0xFF5A2344)
YUV	55.2070, 6.3069, 30.5135
Hunter-Lab	19.4944, 19.6366, -4.3041

Details

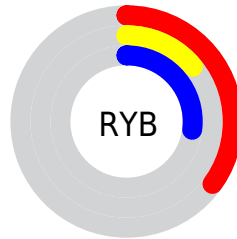
The CIELCh color **23, 30.723, 344.037** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **34, 30.030, 152.722**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 30.477, 344.297**, and **5, 24.287, 348.622** is the 20% darker color. If you saturate the color by 10%, you get **21, 34.617, 345.368**, and if you desaturate by 10%, it is **25, 26.203, 342.892**.

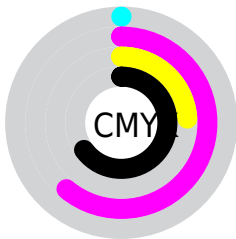
Distribution



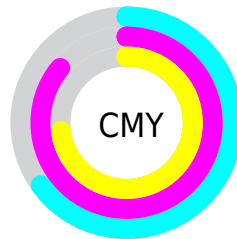
- Red (35%)
- Green (14%)
- Blue (27%)



- Red (35%)
- Yellow (14%)
- Blue (27%)



- Cyan (0%)
- Magenta (61%)
- Yellow (24%)
- Black (65%)





- Cyan (65%)
- Magenta (86%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 30.723, 344.037 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, 30.723, 344.037 by changing the saturation by 10% instead.

 23, 30.723,
344.037


 23, 30.723,
344.037

 100, 30.723,
344.037


 13, 30.723,
344.037


 43, 30.723,
344.037


 3, 30.723, 344.037

 53, 30.723,
344.037

 0, 30.723, 344.037

 63, 30.723,
344.037

 73, 30.723,
344.037

 83, 30.723,
344.037

 93, 30.723,

344.037

■ 23, 30.723,
344.037

■ 23, 30.723,
344.037

■ 21, 34.617,
345.368

■ 25, 26.203,
342.892

■ 20, 37.665,
346.951

■ 27, 21.280,
341.882

■ 19, 39.720,
348.858

■ 30, 16.135,
340.976

■ 18, 41.422,
350.567

■ 33, 10.905,
340.148

■ 35, 5.688, 339.374

■ 38, 0.548, 338.330

■ 41, 4.477, 158.105

■ 44, 9.365, 157.472

■ 46, 14.109,
156.894

Harmonies

Complementary

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



23, 30.723, 344.037



34, 30.030, 152.722

Rectangle

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



23, 30.723, 344.037



23, 30.723, 34.037



23, 30.723, 164.037



23, 30.723, 214.037

Sweetspot

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



23, 30.721, 344.038



43, 11.565, 339.951



19, 37.855, 308.996



20, 7.965, 340.104



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



23, 30.721, 344.038



28, 43.405, 346.012



22, 27.412, 19.344



17, 2.919, 339.205



23, 47.333, 351.335



52, 82.490, 353.453

Inverse Universe

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



23, 30.721, 344.038



28, 43.405, 346.012



35, 19.646, 186.638



17, 2.919, 339.205



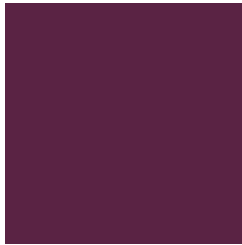
23, 47.333, 351.335



52, 82.490, 353.453

Previews

White Background



This preview shows how the CIE LCh color 23, 30.723, 344.037 looks on a white background.

Color Contrast Check

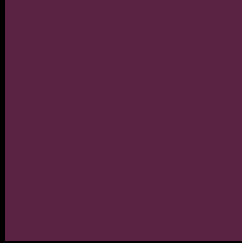
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30.723, 344.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

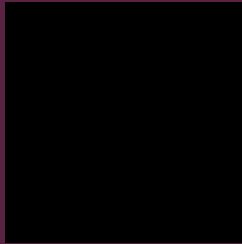
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 30.723, 344.037

Background



This preview shows how black text looks on a background with the CIELCh color 23, 30.723, 344.037.



This preview shows how white text looks on a background with the CIELCh color 23, 30.723, 344.037.

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, 30.723, 344.037

Protanopia

24, 18.726, 285.197

Deuteranopia

23, 7.477, 301.731



Tritanopia
23, 23.420, 20.312

Trichromacy



Original Color
23, 30.723, 344.037

Protanomaly
23, 21.001, 310.786

Deuteranomaly
23, 15.897, 330.097

Tritanomaly
23, 24.763, 4.545

Monochromacy



Original Color
23, 30.723, 344.037

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 12.090, 340.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 30.723, 344.037 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(90, 35, 68)` looks like.

```
.text, #text, p{  
    color:rgb(90, 35, 68)  
}
```

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(90, 35, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 35, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 30.723, 344.037 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(90, 35, 68) }
```

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

```
.border{ border-color:rgb(90, 35, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 35, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 35, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 35, 68);  
box-shadow:4px 4px 4px 4px rgb(90, 35, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 30.723, 344.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 35, 68) }
```

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

```
.background{ background-color: rgb(90, 35,  
68) }
```

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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