

Converting Colors

CIELCh(23, 37.701, 339.330)

Have a look what the booklet for
CIELCh(23, 37.701, 339.330)
contains.

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Color

CIELCh(23, 37.638, 339.835)

Conversions

Conversions Part 1

Format	Color
Hex	5F1D4B
RGB	95, 29, 75
RGB Percent	37%, 11%, 29%
CMY	0.6281, 0.8869, 0.7065
CMYK	0.00, 0.70, 0.21, 0.63
HSL	318°, 53%, 24%
HSV	318°, 70%, 37%
XYZ	6.4018, 3.8003, 7.0251
YIQ	53.9780, 24.5700, 28.2980

Conversions

Conversions Part 2

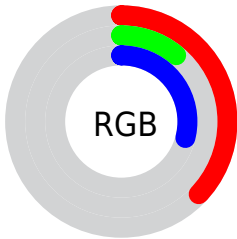
Format	Color
RYB	95, 29, 75
Decimal	6233419
CIELab	23.00, 35.33, -12.97
CIELCh	23, 37.638, 339.835
Yxy	3.8003, 0.3716, 0.2206
Android (android.graphics.Color)	4284423499 (0xFF5F1D4B)
YUV	53.9780, 10.3638, 35.9763
Hunter-Lab	19.4944, 24.5026, -7.7201

Details

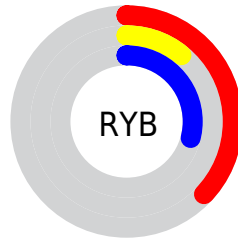
The CIELCh color **23, 37.638, 339.835** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **35, 37.964, 147.532**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 37.896, 339.853**, and **6, 27.909, 343.699** is the 20% darker color. If you saturate the color by 10%, you get **21, 41.045, 340.963**, and if you desaturate by 10%, it is **25, 33.304, 338.845**.

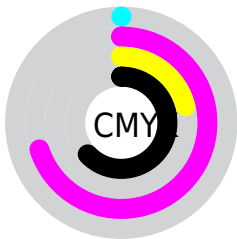
Distribution



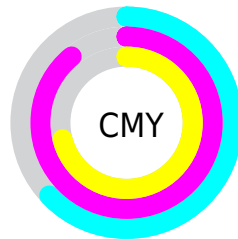
- Red (37%)
- Green (11%)
- Blue (29%)



- Red (37%)
- Yellow (11%)
- Blue (29%)



- Cyan (0%)
- Magenta (70%)
- Yellow (21%)
- Black (63%)





- Cyan (63%)
- Magenta (89%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 37.638, 339.835 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, 37.638, 339.835 by changing the saturation by 10% instead.

 23, 37.638,
339.835


 23, 37.638,
339.835

 100, 37.638,
339.835


 13, 37.638,
339.835


 43, 37.638,
339.835


 3, 37.638, 339.835

 53, 37.638,
339.835

 0, 37.638, 339.835

 63, 37.638,
339.835

 73, 37.638,
339.835

 83, 37.638,
339.835

 93, 37.638,

339.835

■ 23, 37.638,
339.835

■ 23, 37.638,
339.835

■ 21, 41.045,
340.963

■ 25, 33.304,
338.845

■ 20, 43.331,
342.280

■ 27, 28.292,
337.954

■ 19, 45.152,
343.655

■ 29, 22.834,
337.137

■ 19, 45.232,
343.709

■ 32, 17.123,
336.376

■ 35, 11.312,
335.660

■ 38, 5.505, 334.973

■ 40, 0.228, 155.246

■ 43, 5.841, 153.815

■ 46, 11.311,
153.234

Harmonies

Complementary

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



23, 37.638, 339.835



35, 37.964, 147.532

Rectangle

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



23, 37.638, 339.835



23, 37.638, 29.835



23, 37.638, 159.835



23, 37.638, 209.835

Sweetspot

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



23, 37.636, 339.835



44, 14.971, 335.803



17, 45.138, 306.947



21, 10.044, 335.925



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



23, 37.636, 339.835



28, 51.218, 341.850



22, 32.054, 14.119



18, 3.275, 334.926



24, 50.726, 344.125



53, 87.653, 345.464

Inverse Universe

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



23, 37.636, 339.835



28, 51.218, 341.850



36, 24.198, 176.416



18, 3.275, 334.926



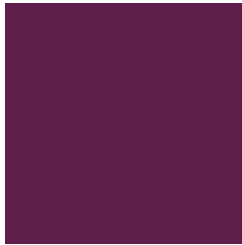
24, 50.726, 344.125



53, 87.653, 345.464

Previews

White Background



This preview shows how the CIE LCh color 23, 37.638, 339.835 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, 37.638, 339.835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

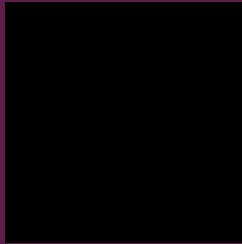
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 37.638, 339.835

Background



This preview shows how black text looks on a background with the CIELCh color 23, 37.638, 339.835.



This preview shows how white text looks on a background with the CIELCh color 23, 37.638, 339.835.

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, 37.638, 339.835

Protanopia

24, 26.742, 284.887

Deuteranopia

24, 10.650, 290.246



Tritanopia
23, 26.639, 23.165

Trichromacy



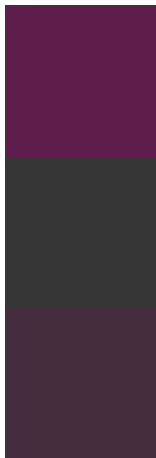
Original Color
23, 37.638, 339.835

Protanomaly
22, 29.325, 305.915

Deuteranomaly
22, 20.622, 322.986

Tritanomaly
23, 28.533, 3.668

Monochromacy



Original Color
23, 37.638, 339.835

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 15.571, 336.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 37.638, 339.835 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(95, 29, 75)` looks like.

```
.text, #text, p{  
    color:rgb(95, 29, 75)  
}
```

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(95, 29, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 29, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 37.638, 339.835 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(95, 29, 75) }
```

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

```
.border{ border-color:rgb(95, 29, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 29, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 29, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 29, 75);  
box-shadow:4px 4px 4px 4px rgb(95, 29, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 37.638, 339.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 29, 75) }
```

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

```
.background{ background-color: rgb(95, 29,  
75) }
```

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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