

Converting Colors

CIELCh(23, 29.801, 332.580)

Have a look what the booklet for
CIELCh(23, 29.801, 332.580)
contains.

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Color

CIELCh(23, 29.689, 332.173)

Conversions

Conversions Part 1

Format	Color
Hex	53274C
RGB	83, 39, 76
RGB Percent	33%, 15%, 30%
CMY	0.6749, 0.8474, 0.7023
CMYK	0.00, 0.53, 0.08, 0.67
HSL	310°, 36%, 24%
HSV	310°, 53%, 33%
XYZ	5.5827, 3.8003, 7.2600
YIQ	56.3740, 14.3470, 20.8350

Conversions

Conversions Part 2

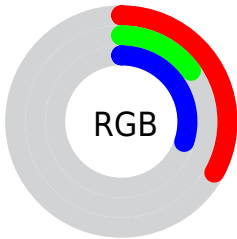
Format	Color
R_{YB}	83, 39, 76
Decimal	5449548
CIE _{Lab}	23.00, 26.26, -13.86
CIE _{LCh}	23, 29.689, 332.173
Yxy	3.8003, 0.3354, 0.2283
Android (android.graphics.Color)	4283639628 (0xFF53274C)
YUV	56.3740, 9.6756, 23.3510
Hunter-Lab	19.4944, 17.0026, -8.4344

Details

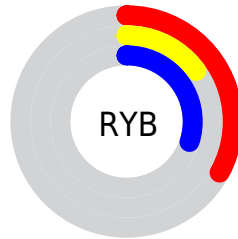
The CIELCh color **23, 29.689, 332.173** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **31, 29.789, 144.948**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 29.739, 332.303**, and **5, 25.323, 333.394** is the 20% darker color. If you saturate the color by 10%, you get **21, 34.444, 332.772**, and if you desaturate by 10%, it is **25, 24.442, 331.580**.

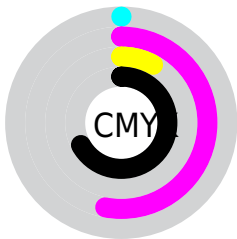
Distribution



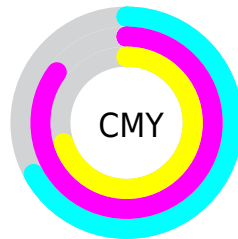
- Red (33%)
- Green (15%)
- Blue (30%)



- Red (33%)
- Yellow (15%)
- Blue (30%)



- Cyan (0%)
- Magenta (53%)
- Yellow (8%)
- Black (67%)





- Cyan (67%)
- Magenta (85%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 29.689, 332.173 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, 29.689, 332.173 by changing the saturation by 10% instead.

 23, 29.689,
332.173


 23, 29.689,
332.173

 100, 29.689,
332.173


 13, 29.689,
332.173


 43, 29.689,
332.173


 3, 29.689, 332.173

 53, 29.689,
332.173

 0, 29.689, 332.173

 63, 29.689,
332.173

 73, 29.689,
332.173

 83, 29.689,
332.173

 93, 29.689,

332.173

■ 23, 29.689,
332.173

■ 23, 29.689,
332.173

■ 21, 34.444,
332.772

■ 25, 24.442,
331.580

■ 20, 38.502,
333.378

■ 27, 18.893,
330.991

■ 18, 41.662,
334.000

■ 30, 13.190,
330.410

■ 18, 43.946,
334.640

■ 32, 7.445, 329.835

■ 17, 45.546,
335.064

■ 34, 1.737, 329.214

■ 37, 3.882, 148.813

■ 40, 9.378, 148.276

■ 42, 14.735,
147.778

■ 45, 19.943,
147.306

Harmonies

Complementary

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



23, 29.689, 332.173



31, 29.789, 144.948

Rectangle

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



23, 29.689, 332.173



23, 29.689, 22.173



23, 29.689, 152.173



23, 29.689, 202.173

Sweetspot

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



23, 29.688, 332.173



40, 11.284, 330.035



19, 30.289, 301.143



19, 7.533, 330.096



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



23, 29.688, 332.173



28, 42.770, 332.959



22, 22.468, 358.741



15, 3.136, 329.582



23, 53.330, 335.311



53, 94.873, 335.894

Inverse Universe

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



23, 29.688, 332.173



28, 42.770, 332.959



32, 19.984, 167.344



15, 3.136, 329.582



23, 53.330, 335.311



53, 94.873, 335.894

Previews

White Background



This preview shows how the CIELCh color 23, 29.689, 332.173 looks on a white background.

Color Contrast Check

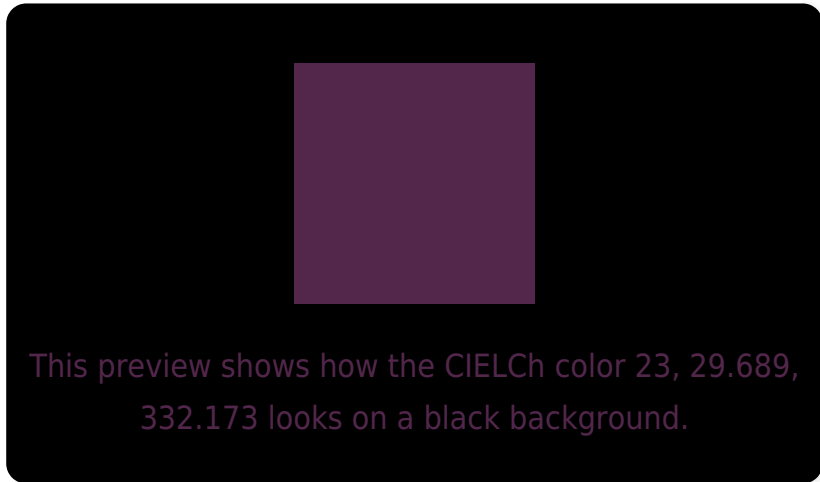
Large Text (above 18pt) WCAG AA ✓ Pass

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

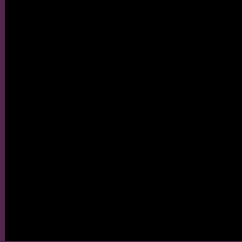
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 29.689, 332.173

Background



This preview shows how black text looks on a background with the CIELCh color 23, 29.689, 332.173.



This preview shows how white text looks on a background with the CIELCh color 23, 29.689, 332.173.

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, 29.689, 332.173

Protanopia

23, 23.417, 285.985

Deuteranopia

23, 12.046, 285.141



Tritanopia
23, 17.232, 14.669

Trichromacy



Original Color
23, 29.689, 332.173

Protanomaly
23, 23.713, 303.152

Deuteranomaly
23, 17.744, 312.517

Tritanomaly
23, 20.088, 352.913

Monochromacy



Original Color
23, 29.689, 332.173

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 11.244, 331.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 29.689, 332.173 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(83, 39, 76)` looks like.

```
.text, #text, p{  
    color:rgb(83, 39, 76)  
}
```

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(83, 39, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 39, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 29.689, 332.173 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(83, 39, 76) }
```

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

```
.border{ border-color:rgb(83, 39, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 39, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 39, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 39, 76);  
box-shadow:4px 4px 4px 4px rgb(83, 39, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 29.689, 332.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 39, 76) }
```

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

```
.background{ background-color: rgb(83, 39,  
76) }
```

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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