

Converting Colors

CIELCh(15, 85.388, 333.576)

Have a look what the booklet for
CIELCh(15, 85.388, 333.576)
contains.

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Color

CIELCh(23, 55.328, 333.899)

Conversions

Conversions Part 1

Format	Color
Hex	6A005C
RGB	106, 0, 92
RGB Percent	42%, 0%, 36%
CMY	0.5845, 1.0000, 0.6390
CMYK	0.00, 1.00, 0.13, 0.58
HSL	308°, 100%, 21%
HSV	308°, 100%, 42%
XYZ	7.8548, 3.8003, 10.4548
YIQ	42.1820, 33.6440, 51.0840

Conversions

Conversions Part 2

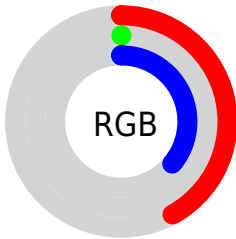
Format	Color
RYB	106, 0, 92
Decimal	6946908
CIELab	23.00, 49.69, -24.34
CIELCh	23, 55.328, 333.899
Yxy	3.8003, 0.3553, 0.1719
Android (android.graphics.Color)	4285136988 (0xFF6A005C)
YUV	42.1820, 24.5603, 55.9684
Hunter-Lab	19.4944, 37.8073, -18.1511

Details

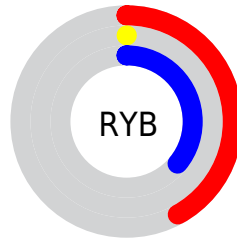
The CIELCh color **23, 55.328, 333.899** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **38, 59.765, 138.056**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 54.958, 333.974**, and **9, 34.876, 334.736** is the 20% darker color. If you saturate the color by 10%, you get **23, 54.934, 333.914**, and if you desaturate by 10%, it is **24, 52.923, 333.350**.

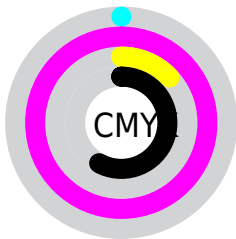
Distribution



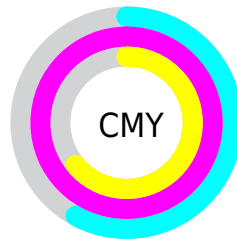
- Red (42%)
- Green (0%)
- Blue (36%)



- Red (42%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (58%)





- Cyan (58%)
- Magenta (100%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 55.328, 333.899 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, 55.328, 333.899 by changing the saturation by 10% instead.

 23, 55.328,
333.899


 23, 55.328,
333.899

 100, 55.328,
333.899


 13, 55.328,
333.899


 43, 55.328,
333.899


 3, 55.328, 333.899

 53, 55.328,
333.899

 0, 55.328, 333.899

 63, 55.328,
333.899

 73, 55.328,
333.899

 83, 55.328,
333.899

 93, 55.328,

333.899

■ 23, 55.328,
333.899

■ 23, 55.328,
333.899

■ 23, 54.934,
333.914

■ 24, 52.923,
333.350

■ 25, 50.212,
332.783

■ 27, 46.178,
332.222

■ 28, 41.019,
331.658

■ 31, 34.997,
331.086

■ 33, 28.383,
330.508

■ 36, 21.412,
329.928

■ 39, 14.274,
329.349

■ 42, 7.106, 328.770

Harmonies

Complementary

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



23, 55.328, 333.899



38, 59.765, 138.056

Rectangle

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



23, 55.328, 333.899



23, 55.328, 23.899



23, 55.328, 153.899



23, 55.328, 203.899

Sweetspot

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



23, 54.934, 333.914



46, 26.545, 329.976



10, 69.395, 306.958



22, 17.952, 330.152



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, 54.934, 333.914



31, 66.105, 334.094



21, 44.357, 10.302



21, 4.026, 328.710



26, 58.986, 333.988



56, 100.919, 334.379

Inverse Universe

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



23, 54.934, 333.914



31, 66.105, 334.094



39, 40.078, 157.122



21, 4.026, 328.710



26, 58.986, 333.988



56, 100.919, 334.379

Previews

White Background



This preview shows how the CIE LCh color 23, 55.328, 333.899 looks on a white background.

Color Contrast Check

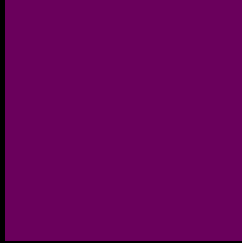
Large Text (above 18pt) WCAG AA ✓ Pass

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, 55.328, 333.899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

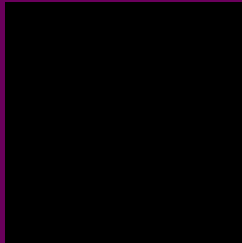
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 55.328, 333.899

Background



This preview shows how black text looks on a background with the CIELCh color 23, 55.328, 333.899.



This preview shows how white text looks on a background with the CIELCh color 23, 55.328, 333.899.

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, 54.918, 333.953

Protanopia

25, 42.443, 285.034

Deuteranopia

25, 18.727, 281.875



Tritanopia
24, 32.661, 25.439

Trichromacy



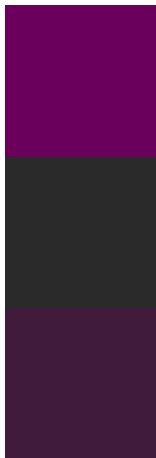
Original Color
23, 54.918, 333.953

Protanomaly
19, 49.763, 301.152

Deuteranomaly
21, 35.641, 315.070

Tritanomaly
23, 38.067, 358.033

Monochromacy



Original Color
23, 54.918, 333.953

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 27.036, 331.352

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 55.328, 333.899 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, 0, 92)` looks like.

```
.text, #text, p{  
    color:rgb(106, 0, 92)  
}
```

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, 0, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 0, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 55.328, 333.899 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, 0, 92) }
```

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

```
.border{ border-color:rgb(106, 0, 92) }
```

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

Here you see how a box with a 4 pixel rgb(106, 0, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 0, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 0, 92);  
box-shadow:4px 4px 4px 4px rgb(106, 0, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 55.328, 333.899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 0, 92) }
```

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

```
.background{ background-color: rgb(106, 0,  
92) }
```

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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