

Converting Colors

CIELCh(23, 53.046, 333.379)

Have a look what the booklet for
CIELCh(23, 53.046, 333.379)
contains.

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Color

CIELCh(23, 52.983, 333.644)

Conversions

Conversions Part 1

Format	Color
Hex	68065B
RGB	104, 6, 91
RGB Percent	41%, 2%, 36%
CMY	0.5932, 0.9781, 0.6441
CMYK	0.00, 0.95, 0.13, 0.59
HSL	308°, 90%, 21%
HSV	308°, 95%, 41%
XYZ	7.6181, 3.8003, 10.1765
YIQ	44.9920, 31.1230, 47.2110

Conversions

Conversions Part 2

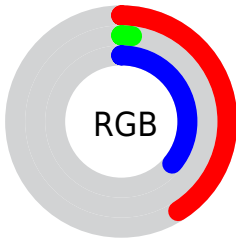
Format	Color
RYB	104, 6, 91
Decimal	6817371
CIELab	23.00, 47.48, -23.52
CIElCh	23, 52.983, 333.644
Yxy	3.8003, 0.3528, 0.1760
Android (android.graphics.Color)	4285007451 (0xFF68065B)
YUV	44.9920, 22.6819, 51.7500
Hunter-Lab	19.4944, 35.6399, -17.3045

Details

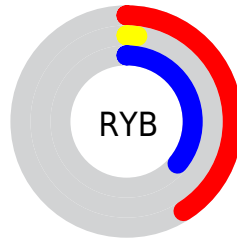
The CIELCh color **23, 52.983, 333.644** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **38, 57.125, 138.600**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 53.041, 333.356**, and **9, 34.416, 334.847** is the 20% darker color. If you saturate the color by 10%, you get **23, 54.098, 333.945**, and if you desaturate by 10%, it is **24, 50.780, 333.072**.

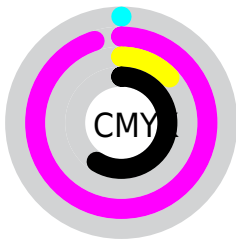
Distribution



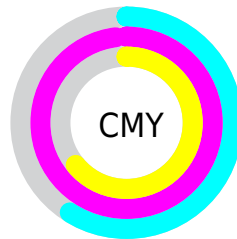
- Red (41%)
- Green (2%)
- Blue (36%)



- Red (41%)
- Yellow (2%)
- Blue (36%)



- Cyan (0%)
- Magenta (95%)
- Yellow (13%)
- Black (59%)





- Cyan (59%)
- Magenta (98%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 52.983, 333.644 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, 52.983, 333.644 by changing the saturation by 10% instead.

 23, 52.983,
333.644


 23, 52.983,
333.644

 100, 52.983,
333.644

 13, 52.983,
333.644

 43, 52.983,
333.644


 3, 52.983, 333.644

 53, 52.983,
333.644

 0, 52.983, 333.644

 63, 52.983,
333.644

 73, 52.983,
333.644

 83, 52.983,
333.644

 93, 52.983,

333.644

■ 23, 52.983,
333.644

■ 23, 52.983,
333.644

■ 23, 54.098,
333.945

■ 24, 50.780,
333.072

■ 25, 47.374,
332.509

■ 27, 42.768,
331.946

■ 29, 37.198,
331.377

■ 31, 30.931,
330.802

■ 34, 24.217,
330.222

■ 37, 17.261,
329.643

■ 40, 10.220,
329.066

■ 43, 3.207, 328.470

Harmonies

Complementary

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



23, 52.983, 333.644



38, 57.125, 138.600

Rectangle

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



23, 52.983, 333.644



23, 52.983, 23.644



23, 52.983, 153.644



23, 52.983, 203.644

Sweetspot

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



23, 52.981, 333.644



46, 24.396, 329.885



11, 65.112, 306.185



22, 16.958, 330.075



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, 52.981, 333.644



31, 65.179, 334.131



21, 42.336, 8.210



20, 3.861, 328.735



25, 58.040, 334.020



56, 100.053, 334.426

Inverse Universe

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



23, 52.981, 333.644



31, 65.179, 334.131



38, 38.083, 158.142



20, 3.861, 328.735



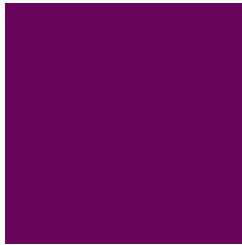
25, 58.040, 334.020



56, 100.053, 334.426

Previews

White Background



This preview shows how the CIE LCh color 23, 52.983, 333.644 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 CIELCh color 23, 52.983, 333.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

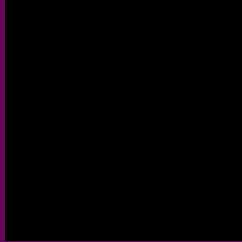
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 52.983, 333.644

Background



This preview shows how black text looks on a background with the CIELCh color 23, 52.983, 333.644.



This preview shows how white text looks on a background with the CIELCh color 23, 52.983, 333.644.

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, 52.983, 333.644

Protanopia

24, 41.904, 284.994

Deuteranopia

24, 18.775, 281.969



Tritanopia
24, 31.710, 25.145

Trichromacy



Original Color
23, 52.983, 333.644

Protanomaly
20, 47.759, 299.956

Deuteranomaly
21, 34.286, 314.515

Tritanomaly
23, 36.518, 358.606

Monochromacy



Original Color
23, 52.983, 333.644

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 25.383, 330.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 52.983, 333.644 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(104, 6, 91)` looks like.

```
.text, #text, p{  
    color:rgb(104, 6, 91)  
}
```

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(104, 6, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 6, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 52.983, 333.644 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(104, 6, 91) }
```

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

```
.border{ border-color:rgb(104, 6, 91) }
```

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

Here you see how a box with a 4 pixel rgb(104, 6, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 6, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 6, 91);  
box-shadow:4px 4px 4px 4px rgb(104, 6, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 52.983, 333.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 6, 91) }
```

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

```
.background{ background-color: rgb(104, 6,  
91) }
```

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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