

Converting Colors

CIELCh(23, 37.624, 327.843)

Have a look what the booklet for
CIELCh(23, 37.624, 327.843)
contains.

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Color

CIELCh(23, 37.624, 327.843)

Conversions

Conversions Part 1

Format	Color
Hex	562255
RGB	86, 34, 85
RGB Percent	34%, 13%, 33%
CMY	0.6620, 0.8660, 0.6660
CMYK	0.00, 0.60, 0.01, 0.66
HSL	301°, 43%, 24%
HSV	301°, 60%, 34%
XYZ	6.0790, 3.8003, 9.0451
YIQ	55.3620, 14.6210, 26.8850

Conversions

Conversions Part 2

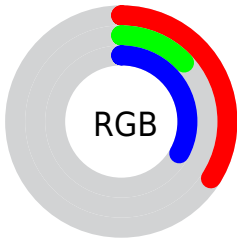
Format	Color
RYB	86, 34, 85
Decimal	5644885
CIELab	23.00, 31.85, -20.03
CIElCh	23, 37.624, 327.843
Yxy	3.8003, 0.3212, 0.2008
Android (android.graphics.Color)	4283834965 (0xFF562255)
YUV	55.3620, 14.6115, 26.8695
Hunter-Lab	19.4944, 21.5467, -13.8634

Details

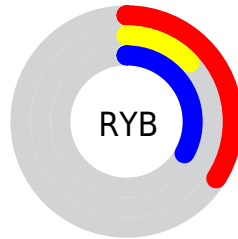
The CIELCh color **23, 37.624, 327.843** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **32, 37.957, 140.231**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 37.459, 327.559**, and **5, 30.488, 327.735** is the 20% darker color. If you saturate the color by 10%, you get **21, 42.448, 328.207**, and if you desaturate by 10%, it is **25, 32.085, 327.427**.

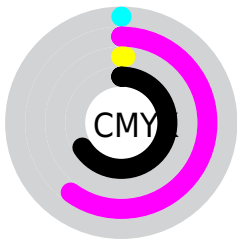
Distribution



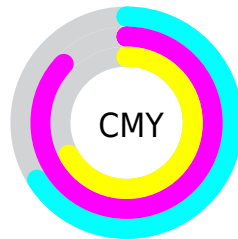
- Red (34%)
- Green (13%)
- Blue (33%)



- Red (34%)
- Yellow (13%)
- Blue (33%)



- Cyan (0%)
- Magenta (60%)
- Yellow (1%)
- Black (66%)





- Cyan (66%)
- Magenta (87%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 37.624, 327.843 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, 37.624, 327.843 by changing the saturation by 10% instead.

 23, 37.624,
327.843


 23, 37.624,
327.843

 100, 37.624,
327.843


 13, 37.624,
327.843


 43, 37.624,
327.843


 3, 37.624, 327.843

 53, 37.624,
327.843

 0, 37.624, 327.843

 63, 37.624,
327.843

 73, 37.624,
327.843

 83, 37.624,
327.843

 93, 37.624,

327.843

■ 23, 37.624,
327.843

■ 23, 37.624,
327.843

■ 21, 42.448,
328.207

■ 25, 32.085,
327.427

■ 20, 46.355,
328.510

■ 27, 26.050,
326.969

■ 19, 49.212,
328.747

■ 29, 19.709,
326.483

■ 19, 51.719,
328.956

■ 32, 13.218,
325.979

■ 34, 6.695, 325.461

■ 37, 0.224, 324.340

■ 39, 6.138, 144.506

■ 42, 12.357,
144.013

■ 45, 18.411,
143.546

Harmonies

Complementary

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



23, 37.624, 327.843



32, 37.957, 140.231

Rectangle

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



23, 37.624, 327.843



23, 37.624, 17.843



23, 37.624, 147.843



23, 37.624, 197.843

Sweetspot

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



23, 37.623, 327.843



42, 14.534, 325.890



16, 36.051, 298.968



20, 9.994, 325.985



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



23, 37.623, 327.843



28, 53.115, 328.338



22, 27.580, 350.935



16, 3.637, 325.379



24, 60.163, 328.977



55, 106.846, 329.028

Inverse Universe

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



23, 37.623, 327.843



28, 53.115, 328.338



33, 25.924, 158.469



16, 3.637, 325.379



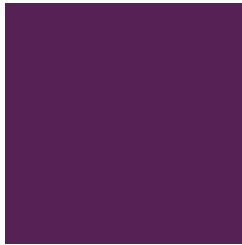
24, 60.163, 328.977



55, 106.846, 329.028

Previews

White Background



This preview shows how the CIE LCh color 23, 37.624, 327.843 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, 37.624, 327.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

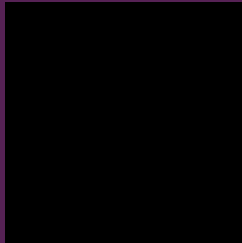
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 37.624, 327.843

Background



This preview shows how black text looks on a background with the CIELCh color 23, 37.624, 327.843.



This preview shows how white text looks on a background with the CIELCh color 23, 37.624, 327.843.

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, 37.624, 327.843

Protanopia

23, 32.741, 285.807

Deuteranopia

23, 18.177, 282.548



Tritanopia
23, 18.251, 17.439

Trichromacy



Original Color
23, 37.624, 327.843

Protanomaly
22, 33.466, 299.174

Deuteranomaly
22, 24.687, 306.596

Tritanomaly
23, 23.282, 349.259

Monochromacy



Original Color
23, 37.624, 327.843

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 15.147, 325.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 37.624, 327.843 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(86, 34, 85)` looks like.

```
.text, #text, p{  
    color:rgb(86, 34, 85)  
}
```

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(86, 34, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 34, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 37.624, 327.843 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(86, 34, 85) }
```

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

```
.border{ border-color:rgb(86, 34, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 34, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 34, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 34, 85);  
box-shadow:4px 4px 4px 4px rgb(86, 34, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 37.624, 327.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 34, 85) }
```

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

```
.background{ background-color: rgb(86, 34,  
85) }
```

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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