

Converting Colors

CIELCh(38, 23.674, 318.459)

Have a look what the booklet for
CIELCh(38, 23.674, 318.459)
contains.

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Color

CIELCh(38, 23.833, 318.320)

Conversions

Conversions Part 1

Format	Color
Hex	6A5073
RGB	106, 80, 115
RGB Percent	42%, 31%, 45%
CMY	0.5835, 0.6855, 0.5482
CMYK	0.08, 0.30, 0.00, 0.55
HSL	285°, 18%, 38%
HSV	285°, 30%, 45%
XYZ	11.9607, 10.0881, 17.6024
YIQ	91.7640, 4.2610, 16.3970

Conversions

Conversions Part 2

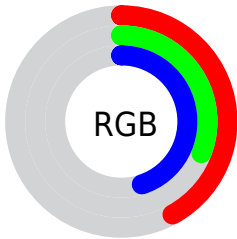
Format	Color
R_{YB}	106, 80, 115
Decimal	6967411
CIE _{Lab}	38.00, 17.80, -15.85
CIE _{LCh}	38, 23.833, 318.320
Yxy	10.0881, 0.3016, 0.2544
Android (android.graphics.Color)	4285157491 (0xFF6A5073)
YUV	91.7640, 11.4553, 12.4850
Hunter-Lab	31.7617, 11.6360, -10.6255

Details

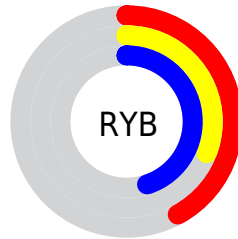
The CIELCh color **38, 23.833, 318.320** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **46, 23.410, 135.653**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **58, 23.531, 318.440**, and **18, 23.842, 318.111** is the 20% darker color. If you saturate the color by 10%, you get **35, 31.730, 318.720**, and if you desaturate by 10%, it is **41, 15.897, 317.902**.

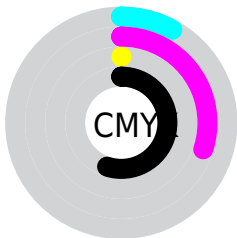
Distribution



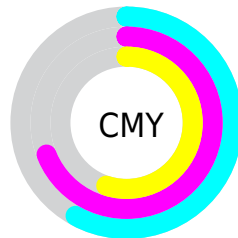
- Red (42%)
- Green (31%)
- Blue (45%)



- Red (42%)
- Yellow (31%)
- Blue (45%)



- Cyan (8%)
- Magenta (30%)
- Yellow (0%)
- Black (55%)





- Cyan (58%)
- Magenta (69%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 23.833, 318.320 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 38, 23.833, 318.320 by changing the saturation by 10% instead.


 38, 23.833,
318.320


 38, 23.833,
318.320

 100, 23.833,
318.320


 28, 23.833,
318.320

 58, 23.833,
318.320


 18, 23.833,
318.320


 68, 23.833,
318.320

 8, 23.833, 318.320

 78, 23.833,
318.320

 0, 23.833, 318.320

 88, 23.833,
318.320

 98, 23.833,
318.320

■ 38, 23.833,
318.320

■ 38, 23.833,
318.320

■ 35, 31.730,
318.720

■ 41, 15.897,
317.902

■ 32, 39.431,
319.080

■ 45, 8.031, 317.480

■ 29, 46.708,
319.369

■ 48, 0.301, 316.665

■ 52, 7.256, 136.727

■ 26, 53.263,
319.546

■ 56, 14.618,
136.358

■ 24, 58.748,
319.564

■ 59, 21.778,
136.022

■ 22, 62.827,
319.375

■ 63, 28.734,
135.713

■ 21, 65.991,
319.105

■ 66, 35.492,
135.432

■ 70, 42.058,
135.176

Harmonies

Complementary

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



38, 23.833, 318.320



46, 23.410, 135.653

Rectangle

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



38, 23.833, 318.320



38, 23.833, 8.320



38, 23.833, 138.320



38, 23.833, 188.320

Sweetspot

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



38, 23.832, 318.320



58, 8.651, 317.430



38, 16.035, 280.340



30, 6.065, 317.481



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



38, 23.832, 318.320



47, 35.193, 318.585



39, 21.651, 333.641



23, 4.411, 317.423



22, 68.926, 319.052



49, 117.129, 318.595

Inverse Universe

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



38, 16.155, 2.201



47, 24.047, 3.130



45, 21.521, 149.503



23, 2.912, 359.749



25, 51.373, 22.643



53, 89.065, 26.042

Previews

White Background



This preview shows how the CIELCh color 38, 23.833, 318.320 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 × Fail

Black Background



This preview shows how the CIELCh color 38, 23.833, 318.320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 38, 23.833, 318.320

Background



This preview shows how black text looks on a background with the CIELCh color 38, 23.833, 318.320.



This preview shows how white text looks on a background with the CIELCh color 38, 23.833, 318.320.

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


38, 23.833, 318.320

Protanopia

38, 19.815, 283.943

Deuteranopia

38, 16.002, 289.988



Tritanopia
38, 8.558, 355.276

Trichromacy



Original Color
38, 23.833, 318.320

Protanomaly
38, 20.419, 297.439

Deuteranomaly
38, 18.206, 302.547

Tritanomaly
38, 13.618, 331.372

Monochromacy



Original Color
38, 23.833, 318.320

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 8.285, 317.760

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 23.833, 318.320 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, 80, 115)` looks like.

```
.text, #text, p{  
    color:rgb(106, 80, 115)  
}
```

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, 80, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 80, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 23.833, 318.320 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, 80, 115) }
```

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

```
.border{ border-color:rgb(106, 80, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 80, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 80, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 80, 115);  
box-shadow:4px 4px 4px 4px rgb(106, 80,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 23.833, 318.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 80, 115) }
```

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

```
.background{ background-color: rgb(106, 80,  
115) }
```

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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