

Converting Colors

CIELCh(38, 23.686, 317.422)

Have a look what the booklet for
CIELCh(38, 23.686, 317.422)
contains.

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Color

CIELCh(38, 23.686, 317.422)

Conversions

Conversions Part 1

Format	Color
Hex	695073
RGB	105, 80, 115
RGB Percent	41%, 31%, 45%
CMY	0.5863, 0.6844, 0.5471
CMYK	0.09, 0.30, 0.00, 0.55
HSL	283°, 18%, 38%
HSV	283°, 30%, 45%
XYZ	11.9094, 10.0881, 17.6886
YIQ	91.4650, 3.6650, 16.1850

Conversions

Conversions Part 2

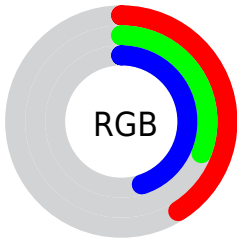
Format	Color
R_{YB}	105, 80, 115
Decimal	6901875
CIE _{Lab}	38.00, 17.44, -16.03
CIE _{LCh}	38, 23.686, 317.422
Yxy	10.0881, 0.3001, 0.2542
Android (android.graphics.Color)	4285091955 (0xFF695073)
YUV	91.4650, 11.6028, 11.8702
Hunter-Lab	31.7617, 11.3476, -10.7864

Details

The CIELCh color $[38, 23.686, 317.422]$ is a dark color, and the websafe version is hex `666699`. A complement of this color would be $[46, 23.209, 134.803]$, and the grayscale version is $[39, 0.006, 296.813]$.

A 20% lighter version of the original color is $[58, 24.060, 317.845]$, and $[18, 23.722, 317.130]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 31.581, 317.825]$, and if you desaturate by 10%, it is $[41, 15.772, 317.004]$.

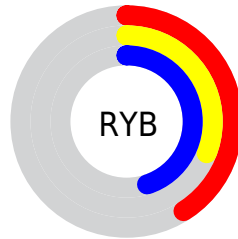
Distribution



 Red (41%)

 Green (31%)

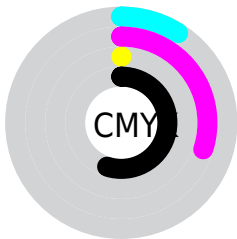
 Blue (45%)



 Red (41%)

 Yellow (31%)

 Blue (45%)

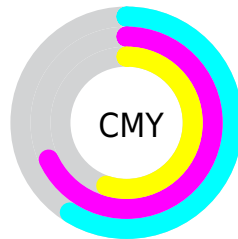


 Cyan (9%)

 Magenta (30%)

 Yellow (0%)

 Black (55%)



 Cyan (59%)

 Magenta (68%)


 Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 23.686, 317.422 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, 23.686, 317.422 by changing the saturation by 10% instead.

 38, 23.686,
317.422


 38, 23.686,
317.422

 100, 23.686,
317.422

 28, 23.686,
317.422

 58, 23.686,
317.422

 18, 23.686,
317.422

 68, 23.686,
317.422

 8, 23.686, 317.422

 78, 23.686,
317.422

 0, 23.686, 317.422

 88, 23.686,
317.422

 98, 23.686,
317.422

■ 38, 23.686,
317.422

■ 38, 23.686,
317.422

■ 35, 31.581,
317.825

■ 41, 15.772,
317.004

■ 31, 39.307,
318.190

■ 45, 7.941, 316.584

■ 49, 0.255, 315.717

■ 29, 46.643,
318.484

■ 52, 7.253, 135.842

■ 26, 53.292,
318.666

■ 56, 14.565,
135.482

■ 24, 58.898,
318.684


■ 59, 21.674,
135.155

■ 22, 63.108,
318.483

■ 63, 28.581,
134.856

■ 20, 66.414,
318.199

■ 67, 35.291,
134.585

 70, 41.812,
134.341

Harmonies

Complementary

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



38, 23.686, 317.422



46, 23.209, 134.803

Rectangle

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



38, 23.686, 317.422



38, 23.686, 7.422



38, 23.686, 137.422



38, 23.686, 187.422

Sweetspot

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



38, 23.685, 317.422



58, 8.586, 316.538



39, 15.395, 278.027



30, 6.020, 316.589



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, 23.685, 317.422



47, 34.997, 317.691



39, 22.157, 332.374



23, 4.378, 316.530



22, 69.253, 318.144



48, 117.732, 317.652

Inverse Universe

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



38, 16.311, 0.137



47, 24.249, 1.058



45, 22.061, 148.358



23, 2.951, 357.714



25, 50.690, 20.168



53, 87.593, 23.577

Previews

White Background



This preview shows how the CIELCh color 38, 23.686, 317.422 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 38, 23.686, 317.422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

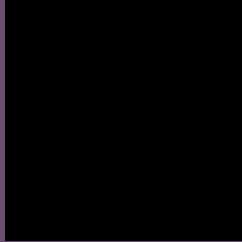
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 23.686, 317.422

Background



This preview shows how black text looks on a background with the CIELCh color 38, 23.686, 317.422.



This preview shows how white text looks on a background with the CIELCh color 38, 23.686, 317.422.

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, 23.686, 317.422

Protanopia

38, 20.412, 285.348

Deuteranopia

38, 16.002, 289.988



Tritanopia
38, 8.441, 350.124

Trichromacy



Original Color
38, 23.686, 317.422

Protanomaly
38, 21.068, 297.410

Deuteranomaly
38, 18.809, 302.281

Tritanomaly
38, 13.833, 328.317

Monochromacy



Original Color
38, 23.686, 317.422

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 8.834, 315.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 23.686, 317.422 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(105, 80, 115)` looks like.

```
.text, #text, p{  
    color:rgb(105, 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(105, 80, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 80, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 23.686, 317.422 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(105, 80, 115) }
```

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

```
.border{ border-color:rgb(105, 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(105, 80, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 80, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 80, 115);  
box-shadow:4px 4px 4px 4px rgb(105, 80,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 23.686, 317.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 80, 115) }
```

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

```
.background{ background-color: rgb(105, 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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