

Converting Colors

CIELCh(38, 46.432, 309.082)

Have a look what the booklet for
CIELCh(38, 46.432, 309.082)
contains.

CIELCh(38, 46.454, 309.049)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 46.454, 309.049)

Conversions

Conversions Part 1

Format	Color
Hex	694A94
RGB	105, 74, 148
RGB Percent	41%, 29%, 58%
CMY	0.5873, 0.7090, 0.4187
CMYK	0.29, 0.50, 0.00, 0.42
HSL	265°, 33%, 44%
HSV	265°, 50%, 58%
XYZ	13.6789, 10.0881, 29.3397
YIQ	91.7050, -5.2780, 29.5860

Conversions

Conversions Part 2

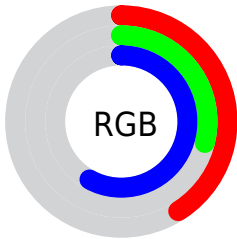
Format	Color
R_{YB}	105, 74, 148
Decimal	6900372
CIE _{Lab}	38.00, 29.27, -36.08
CIE _{LCh}	38, 46.454, 309.049
Yxy	10.0881, 0.2576, 0.1900
Android (android.graphics.Color)	4285090452 (0xFF694A94)
YUV	91.7050, 27.7534, 11.6597
Hunter-Lab	31.7617, 21.2922, -32.5356

Details

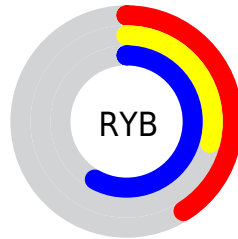
The CIELCh color $38, 46.454, 309.049$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $58, 42.593, 123.824$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $58, 46.384, 308.766$, and $18, 46.878, 309.006$ is the 20% darker color. If you saturate the color by 10%, you get $34, 56.001, 309.670$, and if you desaturate by 10%, it is $43, 36.800, 308.407$.

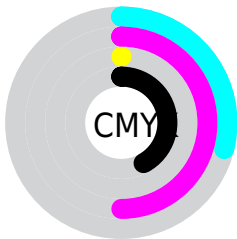
Distribution



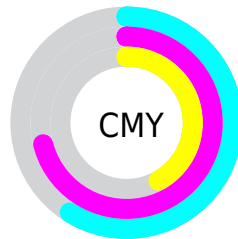
- Red (41%)
- Green (29%)
- Blue (58%)



- Red (41%)
- Yellow (29%)
- Blue (58%)



- Cyan (29%)
- Magenta (50%)
- Yellow (0%)
- Black (42%)




- Cyan (59%)
- Magenta (71%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 46.454, 309.049 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, 46.454, 309.049 by changing the saturation by 10% instead.


 38, 46.454,
309.049

 38, 46.454,
309.049

 100, 46.454,
309.049


 28, 46.454,
309.049

 58, 46.454,
309.049


 18, 46.454,
309.049

 68, 46.454,
309.049

 8, 46.454, 309.049

 78, 46.454,
309.049

 0, 46.454, 309.049

 88, 46.454,
309.049

 98, 46.454,
309.049

■ 38, 46.454,
309.049

■ 38, 46.454,
309.049

■ 34, 56.001,
309.670

■ 43, 36.800,
308.407

■ 30, 65.099,
310.205

■ 47, 27.240,
307.783

■ 26, 73.218,
310.556

■ 52, 17.883,
307.198

■ 23, 79.660,
310.599

■ 57, 8.780, 306.660

■ 21, 84.504,
310.404

■ 61, 0.048, 127.709

■ 21, 84.537,
310.404

■ 66, 8.596, 125.772

■ 71, 16.871,
125.392

■ 76, 24.884,
125.063

■ 80, 32.646,
124.777

Harmonies

Complementary

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



38, 46.454, 309.049



58, 42.593, 123.824

Rectangle

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



38, 46.454, 309.049



38, 46.454, 359.049



38, 46.454, 129.049



38, 46.454, 179.049

Sweetspot

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



38, 46.453, 309.049



69, 16.626, 306.943



48, 22.173, 254.378



35, 11.343, 307.046



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



38, 46.453, 309.049



44, 69.757, 309.747



43, 49.341, 324.464



29, 4.977, 306.622



19, 80.055, 310.477



0, 4.296, 306.189

Inverse Universe

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



42, 38.056, 344.103



51, 55.400, 345.593



56, 49.164, 138.766



29, 4.301, 340.180



29, 55.051, 353.691



1, 3.727, 339.530

Previews

White Background



This preview shows how the CIELCh color 38, 46.454, 309.049 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, 46.454, 309.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

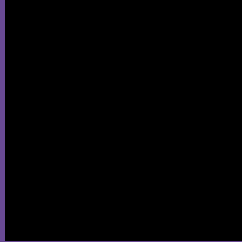
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 46.454, 309.049

Background



This preview shows how black text looks on a background with the CIELCh color 38, 46.454, 309.049.



This preview shows how white text looks on a background with the CIELCh color 38, 46.454, 309.049.

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

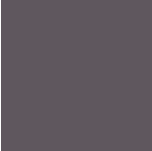
38, 46.454, 309.049

Protanopia

38, 45.578, 286.666

Deuteranopia

38, 34.457, 279.599



Tritanopia
38, 5.488, 328.470

Trichromacy



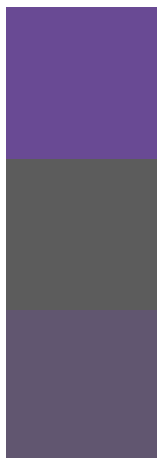
Original Color
38, 46.454, 309.049

Protanomaly
38, 45.444, 293.700

Deuteranomaly
38, 38.130, 291.822

Tritanomaly
38, 20.889, 311.389

Monochromacy



Original Color
38, 46.454, 309.049

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 16.624, 307.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 46.454, 309.049 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, 74, 148)` looks like.

```
.text, #text, p{  
    color:rgb(105, 74, 148)  
}
```

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, 74, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 74, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 46.454, 309.049 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, 74, 148) }
```

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

```
.border{ border-color:rgb(105, 74, 148) }
```

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

Here you see how a box with a 4 pixel rgb(105, 74, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 74, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 74, 148);  
box-shadow:4px 4px 4px 4px rgb(105, 74,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 46.454, 309.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 74, 148) }
```

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

```
.background{ background-color: rgb(105, 74,  
148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor