

Converting Colors

CIELCh(22, 42.732, 337.778)

Have a look what the booklet for
CIELCh(22, 42.732, 337.778)
contains.

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Color

CIELCh(22, 42.726, 338.125)

Conversions

Conversions Part 1

Format	Color
Hex	60144D
RGB	96, 20, 77
RGB Percent	38%, 8%, 30%
CMY	0.6238, 0.9219, 0.6983
CMYK	0.00, 0.79, 0.20, 0.62
HSL	315°, 66%, 23%
HSV	315°, 79%, 38%
XYZ	6.4026, 3.5154, 7.3506
YIQ	49.2220, 26.9990, 33.8390

Conversions

Conversions Part 2

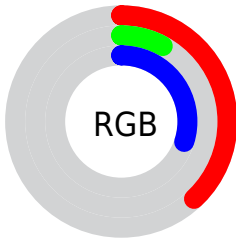
Format	Color
RYB	96, 20, 77
Decimal	6296653
CIELab	22.00, 39.65, -15.92
CIElCh	22, 42.726, 338.125
Yxy	3.5154, 0.3708, 0.2036
Android (android.graphics.Color)	4284486733 (0xFF60144D)
YUV	49.2220, 13.6946, 41.0243
Hunter-Lab	18.7494, 28.1429, -10.1197

Details

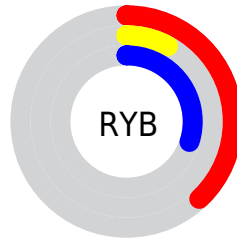
The CIELCh color **22, 42.726, 338.125** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **35, 44.295, 144.193**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 42.495, 338.162**, and **7, 28.926, 342.102** is the 20% darker color. If you saturate the color by 10%, you get **21, 45.152, 339.168**, and if you desaturate by 10%, it is **24, 39.144, 337.203**.

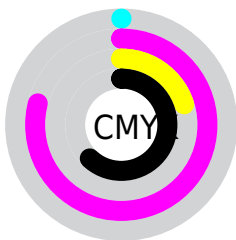
Distribution



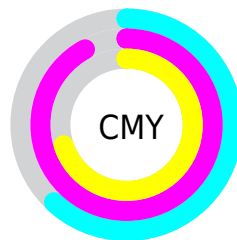
- Red (38%)
- Green (8%)
- Blue (30%)



- Red (38%)
- Yellow (8%)
- Blue (30%)



- Cyan (0%)
- Magenta (79%)
- Yellow (20%)
- Black (62%)





- Cyan (62%)
- Magenta (92%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 42.726, 338.125 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 22, 42.726, 338.125 by changing the saturation by 10% instead.

 22, 42.726,
338.125


 22, 42.726,
338.125

 100, 42.726,
338.125


 12, 42.726,
338.125


 42, 42.726,
338.125


 2, 42.726, 338.125

 52, 42.726,
338.125

 0, 42.726, 338.125

 62, 42.726,
338.125

 72, 42.726,
338.125

 82, 42.726,
338.125

 92, 42.726,

338.125

■ 22, 42.726,
338.125

■ 22, 42.726,
338.125

■ 21, 45.152,
339.168

■ 24, 39.144,
337.203

■ 20, 47.017,
340.256

■ 25, 34.614,
336.367

■ 20, 47.170,
340.336

■ 28, 29.380,
335.592

■ 30, 23.679,
334.862

■ 33, 17.712,
334.169

■ 35, 11.633,
333.504

■ 38, 5.553, 332.858

■ 41, 0.454, 152.710

■ 44, 6.341, 151.751

Harmonies

Complementary

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



22, 42.726, 338.125



35, 44.295, 144.193

Rectangle

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



22, 42.726, 338.125



22, 42.726, 28.125



22, 42.726, 158.125



22, 42.726, 208.125

Sweetspot

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



22, 42.724, 338.125



44, 18.072, 333.866



14, 51.968, 306.310



21, 12.515, 334.035



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



22, 42.724, 338.125



28, 55.862, 340.193



21, 35.944, 11.945



18, 3.401, 332.835



24, 52.510, 340.626



54, 90.830, 341.629

Inverse Universe

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



22, 42.724, 338.125



28, 55.862, 340.193



36, 28.345, 169.464



18, 3.401, 332.835



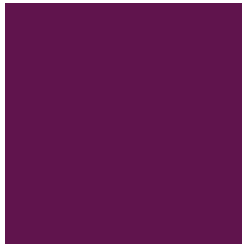
24, 52.510, 340.626



54, 90.830, 341.629

Previews

White Background



This preview shows how the CIE LCh color 22, 42.726, 338.125 looks on a white background.

Color Contrast Check

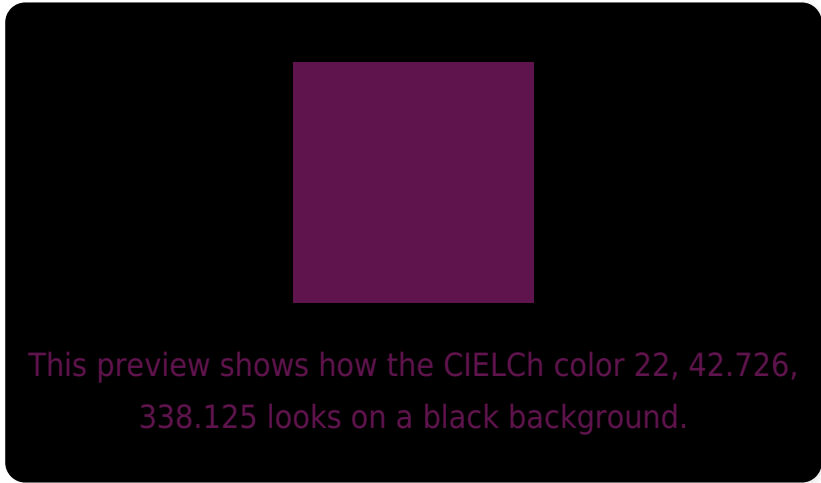
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

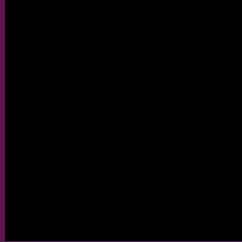
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 42.726, 338.125

Background



This preview shows how black text looks on a background with the CIELCh color 22, 42.726, 338.125.



This preview shows how white text looks on a background with the CIELCh color 22, 42.726, 338.125.

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

22, 42.726, 338.125

Protanopia

23, 33.538, 285.405

Deuteranopia

23, 12.737, 285.777



Tritanopia
22, 28.912, 24.348

Trichromacy



Original Color
22, 42.726, 338.125

Protanomaly
21, 35.955, 303.238

Deuteranomaly
21, 23.733, 319.928

Tritanomaly
22, 30.949, 1.990

Monochromacy



Original Color
22, 42.726, 338.125

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 18.759, 334.929

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 42.726, 338.125 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(96, 20, 77)` looks like.

```
.text, #text, p{  
    color:rgb(96, 20, 77)  
}
```

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(96, 20, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 20, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 42.726, 338.125 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(96, 20, 77) }
```

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

```
.border{ border-color:rgb(96, 20, 77) }
```

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

Here you see how a box with a 4 pixel rgb(96, 20, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 20, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 20, 77);  
box-shadow:4px 4px 4px 4px rgb(96, 20, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 42.726, 338.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 20, 77) }
```

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

```
.background{ background-color: rgb(96, 20,  
77) }
```

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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