

Converting Colors

CIELCh(22, 40.936, 336.081)

Have a look what the booklet for
CIELCh(22, 40.936, 336.081)
contains.

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Color

CIELCh(22, 40.936, 336.081)

Conversions

Conversions Part 1

Format	Color
Hex	5D184E
RGB	93, 24, 78
RGB Percent	36%, 9%, 31%
CMY	0.6358, 0.9064, 0.6946
CMYK	0.00, 0.74, 0.16, 0.64
HSL	313°, 59%, 23%
HSV	313°, 74%, 36%
XYZ	6.1944, 3.5154, 7.5358
YIQ	50.7870, 23.7900, 31.4220

Conversions

Conversions Part 2

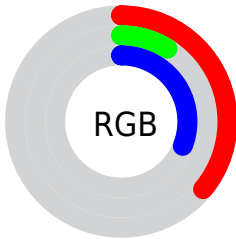
Format	Color
RYB	93, 24, 78
Decimal	6101070
CIELab	22.00, 37.42, -16.60
CIElCh	22, 40.936, 336.081
Yxy	3.5154, 0.3592, 0.2038
Android (android.graphics.Color)	4284291150 (0xFF5D184E)
YUV	50.7870, 13.4160, 37.0208
Hunter-Lab	18.7494, 26.1610, -10.7053

Details

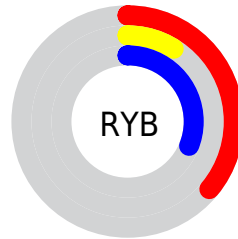
The CIELCh color **22, 40.936, 336.081** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **34, 42.044, 143.934**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 41.005, 336.375**, and **6, 28.832, 339.109** is the 20% darker color. If you saturate the color by 10%, you get **21, 43.980, 336.922**, and if you desaturate by 10%, it is **24, 36.854, 335.309**.

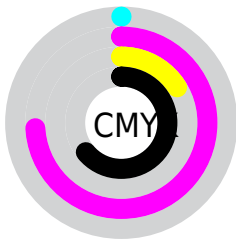
Distribution



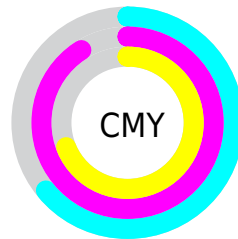
- Red (36%)
- Green (9%)
- Blue (31%)



- Red (36%)
- Yellow (9%)
- Blue (31%)



- Cyan (0%)
- Magenta (74%)
- Yellow (16%)
- Black (64%)





- Cyan (64%)
- Magenta (91%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 40.936, 336.081 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, 40.936, 336.081 by changing the saturation by 10% instead.

 22, 40.936,
336.081


 22, 40.936,
336.081

 100, 40.936,
336.081


 12, 40.936,
336.081


 42, 40.936,
336.081


 2, 40.936, 336.081

 52, 40.936,
336.081

 0, 40.936, 336.081

 62, 40.936,
336.081

 72, 40.936,
336.081

 82, 40.936,
336.081

 92, 40.936,

336.081

■ 22, 40.936,
336.081

■ 22, 40.936,
336.081

■ 21, 43.980,
336.922

■ 24, 36.854,
335.309

■ 20, 46.026,
337.838

■ 26, 31.963,
334.583

■ 19, 47.184,
338.342

■ 28, 26.498,
333.891

■ 30, 20.675,
333.226

■ 33, 14.667,
332.583

■ 35, 8.603, 331.958

■ 38, 2.575, 331.317

■ 41, 3.358, 150.873

■ 44, 9.160, 150.296

Harmonies

Complementary

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



22, 40.936, 336.081



34, 42.044, 143.934

Rectangle

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



22, 40.936, 336.081



22, 40.936, 26.081



22, 40.936, 156.081



22, 40.936, 206.081

Sweetspot

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



22, 40.934, 336.081



43, 16.372, 332.480



15, 47.574, 305.457



21, 11.091, 332.585



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



22, 40.934, 336.081



27, 54.450, 337.607



21, 33.209, 8.899



17, 3.326, 331.617



24, 52.862, 338.599



54, 92.262, 339.441

Inverse Universe

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



22, 40.934, 336.081



27, 54.450, 337.607



35, 26.924, 168.975



17, 3.326, 331.617



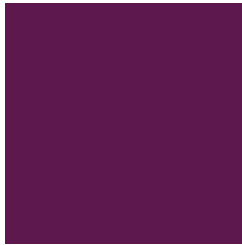
24, 52.862, 338.599



54, 92.262, 339.441

Previews

White Background



This preview shows how the CIE LCh color 22, 40.936, 336.081 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 22, 40.936, 336.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

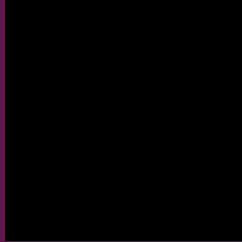
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 40.936, 336.081

Background



This preview shows how black text looks on a background with the CIELCh color 22, 40.936, 336.081.



This preview shows how white text looks on a background with the CIELCh color 22, 40.936, 336.081.

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, 40.936, 336.081

Protanopia

23, 32.881, 285.297

Deuteranopia

23, 14.129, 285.346



Tritanopia
22, 26.310, 23.235

Trichromacy



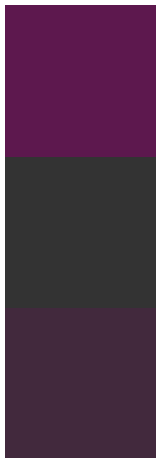
Original Color
22, 40.936, 336.081

Protanomaly
21, 34.581, 302.737

Deuteranomaly
21, 23.923, 316.367

Tritanomaly
22, 28.939, 0.206

Monochromacy



Original Color
22, 40.936, 336.081

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 17.381, 332.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 40.936, 336.081 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(93, 24, 78)` looks like.

```
.text, #text, p{  
    color:rgb(93, 24, 78)  
}
```

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(93, 24, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 24, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 40.936, 336.081 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(93, 24, 78) }
```

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

```
.border{ border-color:rgb(93, 24, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 24, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 24, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 24, 78);  
box-shadow:4px 4px 4px 4px rgb(93, 24, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 40.936, 336.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 24, 78) }
```

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

```
.background{ background-color: rgb(93, 24,  
78) }
```

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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