

Converting Colors

CIELCh(22, 38.524, 339.542)

Have a look what the booklet for
CIELCh(22, 38.524, 339.542)
contains.

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Color

CIELCh(22, 38.576, 339.739)

Conversions

Conversions Part 1

Format	Color
Hex	5D1949
RGB	93, 25, 73
RGB Percent	36%, 10%, 29%
CMY	0.6349, 0.9015, 0.7133
CMYK	0.00, 0.73, 0.21, 0.63
HSL	318°, 58%, 23%
HSV	318°, 73%, 37%
XYZ	6.0814, 3.5154, 6.6789
YIQ	50.8040, 25.1200, 29.3440

Conversions

Conversions Part 2

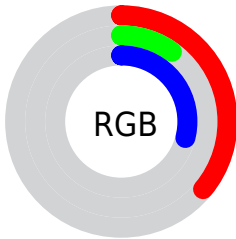
Format	Color
R_{YB}	93, 25, 73
Decimal	6101321
CIE Lab	22.00, 36.19, -13.36
CIE LCh	22, 38.576, 339.739
Yxy	3.5154, 0.3736, 0.2160
Android (android.graphics.Color)	4284291401 (0xFF5D1949)
YUV	50.8040, 10.9426, 37.0059
Hunter-Lab	18.7494, 25.0850, -7.9956

Details

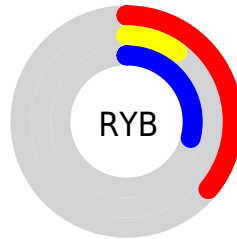
The CIELCh color **22, 38.576, 339.739** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **34, 39.194, 146.730**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 38.573, 339.742**, and **6, 27.230, 344.092** is the 20% darker color. If you saturate the color by 10%, you get **21, 41.605, 340.881**, and if you desaturate by 10%, it is **24, 34.561, 338.740**.

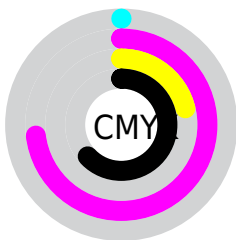
Distribution



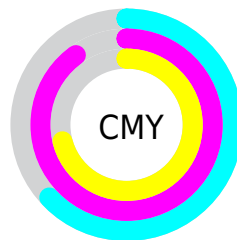
- Red (36%)
- Green (10%)
- Blue (29%)



- Red (36%)
- Yellow (10%)
- Blue (29%)



- Cyan (0%)
- Magenta (73%)
- Yellow (21%)
- Black (63%)




- Cyan (63%)
- Magenta (90%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 38.576, 339.739 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, 38.576, 339.739 by changing the saturation by 10% instead.

 22, 38.576,
339.739


 22, 38.576,
339.739

 100, 38.576,
339.739


 12, 38.576,
339.739

 42, 38.576,
339.739


 2, 38.576, 339.739

 52, 38.576,
339.739

 0, 38.576, 339.739

 62, 38.576,
339.739

 72, 38.576,
339.739

 82, 38.576,
339.739

 92, 38.576,

339.739

■ 22, 38.576,
339.739

■ 22, 38.576,
339.739

■ 21, 41.605,
340.881

■ 24, 34.561,
338.740

■ 20, 43.589,
342.194

■ 26, 29.795,
337.843

■ 19, 44.917,
343.093

■ 28, 24.515,
337.022

■ 31, 18.925,
336.258

■ 33, 13.189,
335.539

■ 36, 7.425, 334.855

■ 39, 1.713, 334.131

■ 42, 3.895, 153.692

■ 44, 9.368, 153.092

Harmonies

Complementary

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



22, 38.576, 339.739



34, 39.194, 146.730

Rectangle

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



22, 38.576, 339.739



22, 38.576, 29.739



22, 38.576, 159.739



22, 38.576, 209.739

Sweetspot

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



22, 38.574, 339.739



43, 15.513, 335.514



16, 46.689, 306.816



21, 10.510, 335.632



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, 38.574, 339.739



27, 51.568, 341.880



21, 32.944, 13.800



17, 3.147, 334.570



23, 50.197, 343.486



53, 87.435, 344.807

Inverse Universe

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



22, 38.574, 339.739



27, 51.568, 341.880



35, 25.013, 174.548



17, 3.147, 334.570



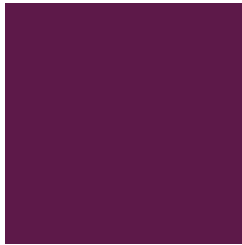
23, 50.197, 343.486



53, 87.435, 344.807

Previews

White Background



This preview shows how the CIELCh color 22, 38.576, 339.739 looks on a white background.

Color Contrast Check

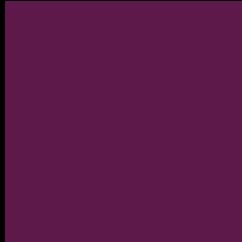
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.576, 339.739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

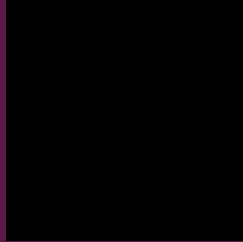
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 38.576, 339.739

Background



This preview shows how black text looks on a background with the CIELCh color 22, 38.576, 339.739.



This preview shows how white text looks on a background with the CIELCh color 22, 38.576, 339.739.

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, 38.576, 339.739

Protanopia

23, 28.225, 285.033

Deuteranopia

23, 10.711, 290.319



Tritanopia
22, 27.370, 23.709

Trichromacy



Original Color
22, 38.576, 339.739

Protanomaly
21, 30.078, 305.134

Deuteranomaly
21, 20.713, 323.021

Tritanomaly
22, 29.107, 3.311

Monochromacy



Original Color
22, 38.576, 339.739

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 15.680, 336.256

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 38.576, 339.739 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, 25, 73)` looks like.

```
.text, #text, p{  
    color:rgb(93, 25, 73)  
}
```

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, 25, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 25, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 38.576, 339.739 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, 25, 73) }
```

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

```
.border{ border-color:rgb(93, 25, 73) }
```

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

Here you see how a box with a 4 pixel rgb(93, 25, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 25, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 25, 73);  
box-shadow:4px 4px 4px 4px rgb(93, 25, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 38.576, 339.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 25, 73) }
```

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

```
.background{ background-color: rgb(93, 25,  
73) }
```

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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