

Converting Colors

CIELCh(22, 42.242, 306.721)

Have a look what the booklet for
CIELCh(22, 42.242, 306.721)
contains.

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Color

CIELCh(22, 41.625, 306.382)

Conversions

Conversions Part 1

Format	Color
Hex	3C2967
RGB	60, 41, 103
RGB Percent	24%, 16%, 40%
CMY	0.7651, 0.8395, 0.5964
CMYK	0.42, 0.60, 0.00, 0.60
HSL	258°, 43%, 28%
HSV	258°, 60%, 40%
XYZ	5.0915, 3.5154, 13.2176
YIQ	53.7490, -8.5780, 23.3100

Conversions

Conversions Part 2

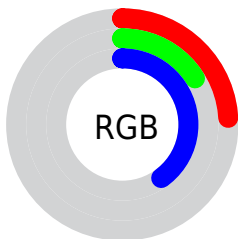
Format	Color
R_{YB}	60, 41, 103
Decimal	3942759
CIE _{Lab}	22.00, 24.69, -33.51
CIE _{LCh}	22, 41.625, 306.382
Yxy	3.5154, 0.2333, 0.1611
Android (android.graphics.Color)	4282132839 (0xFF3C2967)
YUV	53.7490, 24.2807, 5.4821
Hunter-Lab	18.7494, 15.6614, -28.6725

Details

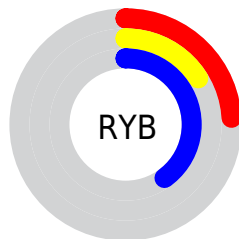
The CIELCh color $22, 41.625, 306.382$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $41, 36.632, 118.990$, and the grayscale version is $22, 0.004, 296.813$.

A 20% lighter version of the original color is $42, 41.842, 306.136$, and $3, 37.753, 304.887$ is the 20% darker color. If you saturate the color by 10%, you get $19, 48.727, 307.212$, and if you desaturate by 10%, it is $25, 34.370, 305.526$.

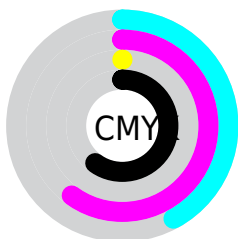
Distribution



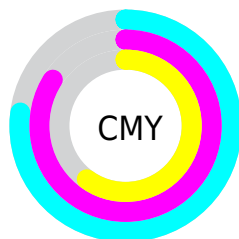
- Red (24%)
- Green (16%)
- Blue (40%)



- Red (24%)
- Yellow (16%)
- Blue (40%)



- Cyan (42%)
- Magenta (60%)
- Yellow (0%)
- Black (60%)





- Cyan (77%)
- Magenta (84%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 41.625, 306.382 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, 41.625, 306.382 by changing the saturation by 10% instead.

 22, 41.625,
306.382


 22, 41.625,
306.382

 100, 41.625,
306.382


 12, 41.625,
306.382


 42, 41.625,
306.382


 2, 41.625, 306.382

 52, 41.625,
306.382

 0, 41.625, 306.382

 62, 41.625,
306.382

 72, 41.625,
306.382

 82, 41.625,
306.382

 92, 41.625,

306.382

■ 22, 41.625,
306.382

■ 22, 41.625,
306.382

■ 19, 48.727,
307.212

■ 25, 34.370,
305.526

■ 16, 55.334,
307.922

■ 29, 27.161,
304.698

■ 13, 60.926,
308.380

■ 33, 20.101,
303.927

■ 11, 66.164,
308.932

■ 36, 13.237,
303.228

■ 40, 6.588, 302.601

■ 43, 0.156, 301.852

■ 47, 6.064, 121.573

■ 51, 12.080,
121.146

■ 54, 17.904,
120.775

Harmonies

Complementary

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



22, 41.625, 306.382



41, 36.632, 118.990

Rectangle

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



22, 41.625, 306.382



22, 41.625, 356.382



22, 41.625, 126.382



22, 41.625, 176.382

Sweetspot

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



22, 41.625, 306.382



47, 14.458, 303.113



34, 17.740, 239.595



23, 10.001, 303.254



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



22, 41.625, 306.382



24, 61.465, 307.499



26, 42.764, 321.120



19, 3.579, 302.523



13, 71.581, 308.810



34, 125.026, 308.256

Inverse Universe

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



27, 35.809, 339.136



32, 50.045, 340.586



39, 41.929, 135.458



20, 3.411, 335.078



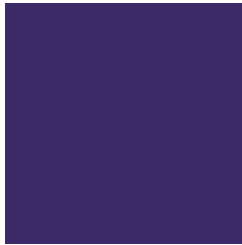
24, 51.407, 344.424



54, 88.149, 345.748

Previews

White Background



This preview shows how the CIE LCh color 22, 41.625, 306.382 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, 41.625, 306.382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

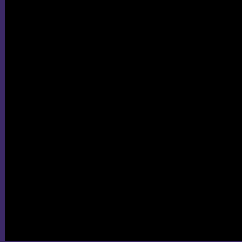
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 41.625, 306.382

Background



This preview shows how black text looks on a background with the CIELCh color 22, 41.625, 306.382.



This preview shows how white text looks on a background with the CIELCh color 22, 41.625, 306.382.

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, 41.625, 306.382

Protanopia

22, 39.184, 284.774

Tritanopia

22, 3.424, 250.903

Trichromacy

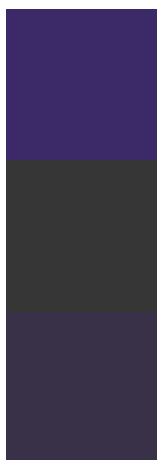


Original Color
22, 41.625, 306.382

Protanomaly
21, 40.359, 290.487

Tritanomaly
22, 16.962, 299.178

Monochromacy



Original Color
22, 41.625, 306.382

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 15.799, 303.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 41.625, 306.382 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(60, 41, 103)` looks like.

```
.text, #text, p{  
    color:rgb(60, 41, 103)  
}
```

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(60, 41, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 41, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 41.625, 306.382 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(60, 41, 103) }
```

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

```
.border{ border-color:rgb(60, 41, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 41, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 41, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 41, 103);  
box-shadow:4px 4px 4px 4px rgb(60, 41,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 41.625, 306.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 41, 103) }
```

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

```
.background{ background-color: rgb(60, 41,  
103) }
```

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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