

Converting Colors

CIELCh(22, 31.311, 337.715)

Have a look what the booklet for
CIELCh(22, 31.311, 337.715)
contains.

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Color

CIELCh(22, 31.235, 337.465)

Conversions

Conversions Part 1

Format	Color
Hex	552247
RGB	85, 34, 71
RGB Percent	33%, 13%, 28%
CMY	0.6672, 0.8671, 0.7221
CMYK	0.00, 0.60, 0.16, 0.67
HSL	316°, 43%, 23%
HSV	316°, 60%, 33%
XYZ	5.4361, 3.5154, 6.3325
YIQ	53.4670, 18.5190, 22.3190

Conversions

Conversions Part 2

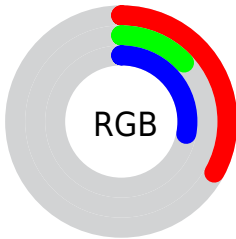
Format	Color
RYB	85, 34, 71
Decimal	5579335
CIELab	22.00, 28.85, -11.97
CIElCh	22, 31.235, 337.465
Yxy	3.5154, 0.3557, 0.2300
Android (android.graphics.Color)	4283769415 (0xFF552247)
YUV	53.4670, 8.6438, 27.6544
Hunter-Lab	18.7494, 18.9419, -6.9001

Details

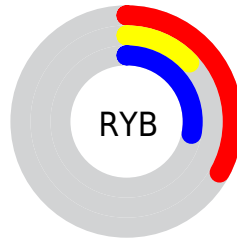
The CIELCh color **22, 31.235, 337.465** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **32, 31.220, 147.938**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 31.180, 337.615**, and **5, 24.106, 340.880** is the 20% darker color. If you saturate the color by 10%, you get **20, 35.284, 338.353**, and if you desaturate by 10%, it is **24, 26.569, 336.653**.

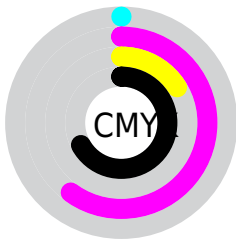
Distribution



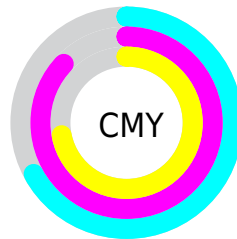
- Red (33%)
- Green (13%)
- Blue (28%)



- Red (33%)
- Yellow (13%)
- Blue (28%)



- Cyan (0%)
- Magenta (60%)
- Yellow (16%)
- Black (67%)




- Cyan (67%)
- Magenta (87%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 31.235, 337.465 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, 31.235, 337.465 by changing the saturation by 10% instead.

 22, 31.235,
337.465


 22, 31.235,
337.465

 100, 31.235,
337.465


 12, 31.235,
337.465


 42, 31.235,
337.465


 2, 31.235, 337.465

 52, 31.235,
337.465

 0, 31.235, 337.465

 62, 31.235,
337.465

 72, 31.235,
337.465

 82, 31.235,
337.465

 92, 31.235,

337.465

■ 22, 31.235,
337.465

■ 22, 31.235,
337.465

■ 20, 35.284,
338.353

■ 24, 26.569,
336.653

■ 19, 38.506,
339.345

■ 26, 21.497,
335.896

■ 18, 40.741,
340.476

■ 28, 16.193,
335.183

■ 17, 42.763,
341.585

■ 31, 10.791,
334.506

■ 33, 5.387, 333.851

■ 36, 0.047, 329.471

■ 39, 5.189, 152.737

■ 41, 10.298,
152.173

■ 44, 15.267,
151.648

Harmonies

Complementary

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



22, 31.235, 337.465



32, 31.220, 147.938

Rectangle

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



22, 31.235, 337.465



22, 31.235, 27.465



22, 31.235, 157.465



22, 31.235, 207.465

Sweetspot

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



22, 31.234, 337.465



41, 11.944, 334.408



17, 35.343, 305.148



20, 8.373, 334.534



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



22, 31.234, 337.465



27, 43.991, 338.765



21, 25.319, 8.834



16, 3.041, 333.768



23, 50.028, 342.109



52, 87.884, 343.333

Inverse Universe

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



22, 31.234, 337.465



27, 43.991, 338.765



32, 20.467, 174.924



16, 3.041, 333.768



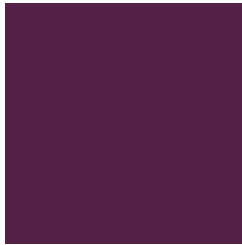
23, 50.028, 342.109



52, 87.884, 343.333

Previews

White Background



This preview shows how the CIELCh color 22, 31.235, 337.465 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, 31.235, 337.465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

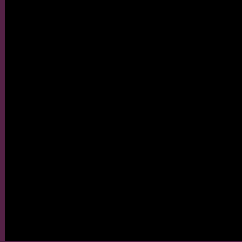
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 31.235, 337.465

Background



This preview shows how black text looks on a background with the CIELCh color 22, 31.235, 337.465.



This preview shows how white text looks on a background with the CIELCh color 22, 31.235, 337.465.

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, 31.235, 337.465

Protanopia

23, 22.232, 284.373

Deuteranopia

23, 10.062, 287.688



Tritanopia
22, 20.470, 18.872

Trichromacy



Original Color
22, 31.235, 337.465

Protanomaly
22, 24.001, 305.080

Deuteranomaly
22, 17.096, 318.229

Tritanomaly
22, 23.007, 358.548

Monochromacy



Original Color
22, 31.235, 337.465

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 12.704, 334.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 31.235, 337.465 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(85, 34, 71)` looks like.

```
.text, #text, p{  
    color:rgb(85, 34, 71)  
}
```

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(85, 34, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 34, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 31.235, 337.465 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(85, 34, 71) }
```

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

```
.border{ border-color:rgb(85, 34, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 34, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 34, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 34, 71);  
box-shadow:4px 4px 4px 4px rgb(85, 34, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 31.235, 337.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 34, 71) }
```

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

```
.background{ background-color: rgb(85, 34,  
71) }
```

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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