

Converting Colors

CIELCh(34, 33.827, 322.630)

Have a look what the booklet for
CIELCh(34, 33.827, 322.630)
contains.

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Color

CIELCh(34, 33.538, 322.231)

Conversions

Conversions Part 1

Format	Color
Hex	6A4171
RGB	106, 65, 113
RGB Percent	42%, 25%, 44%
CMY	0.5849, 0.7456, 0.5575
CMYK	0.06, 0.43, 0.00, 0.56
HSL	291°, 27%, 35%
HSV	291°, 43%, 44%
XYZ	10.7802, 8.0082, 16.5559
YIQ	82.7310, 9.0280, 23.6200

Conversions

Conversions Part 2

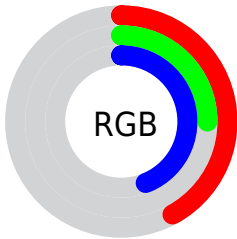
Format	Color
R_{YB}	106, 65, 113
Decimal	6963569
CIE _{Lab}	34.00, 26.51, -20.54
CIE _{LCh}	34, 33.538, 322.231
Yxy	8.0082, 0.3050, 0.2266
Android (android.graphics.Color)	4285153649 (0xFF6A4171)
YUV	82.7310, 14.9226, 20.4069
Hunter-Lab	28.2988, 18.4755, -14.8777

Details

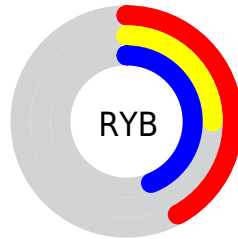
The CIELCh color $34, 33.538, 322.231$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $44, 33.166, 137.966$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 33.451, 322.062$, and $14, 33.327, 321.914$ is the 20% darker color. If you saturate the color by 10%, you get $31, 40.995, 322.591$, and if you desaturate by 10%, it is $37, 25.736, 321.823$.

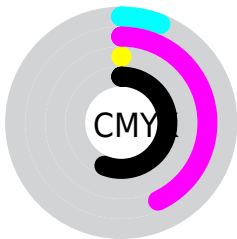
Distribution



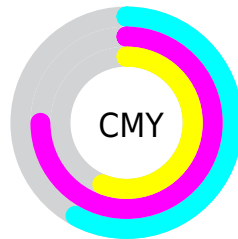
- Red (42%)
- Green (25%)
- Blue (44%)



- Red (42%)
- Yellow (25%)
- Blue (44%)



- Cyan (6%)
- Magenta (43%)
- Yellow (0%)
- Black (56%)





- Cyan (58%)
- Magenta (75%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 33.538, 322.231 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 34, 33.538, 322.231 by changing the saturation by 10% instead.


 34, 33.538,
322.231


 34, 33.538,
322.231

 100, 33.538,
322.231


 24, 33.538,
322.231

 54, 33.538,
322.231


 14, 33.538,
322.231


 64, 33.538,
322.231

 4, 33.538, 322.231

 74, 33.538,
322.231

 0, 33.538, 322.231

 84, 33.538,
322.231

 94, 33.538,
322.231

■ 34, 33.538,
322.231

■ 34, 33.538,
322.231

■ 31, 40.995,
322.591

■ 37, 25.736,
321.823

■ 29, 47.856,
322.876

■ 40, 17.789,
321.388

■ 27, 53.817,
323.058

■ 43, 9.836, 320.939

■ 25, 58.569,
323.104

■ 47, 1.970, 320.440

■ 50, 5.750, 140.113

■ 23, 61.889,
322.989

■ 54, 13.287,
139.689

■ 23, 64.039,
322.878

■ 57, 20.623,
139.298

■ 60, 27.752,
138.933

■ 64, 34.674,
138.594

Harmonies

Complementary

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



34, 33.538, 322.231



44, 33.166, 137.966

Rectangle

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



34, 33.538, 322.231



34, 33.538, 12.231



34, 33.538, 142.231



34, 33.538, 192.231

Sweetspot

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



34, 33.537, 322.231



56, 12.751, 320.976



32, 25.903, 289.252



28, 8.875, 321.057



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



34, 33.537, 322.231



41, 49.696, 322.586



34, 27.352, 339.636



22, 4.385, 320.777



24, 66.857, 322.845



53, 114.292, 322.550

Inverse Universe

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



33, 22.275, 12.375



41, 33.872, 14.258



44, 26.879, 152.731



22, 2.696, 8.141



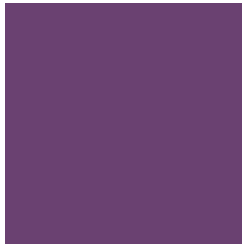
24, 53.969, 31.093



52, 95.086, 34.164

Previews

White Background



This preview shows how the CIELCh color 34, 33.538, 322.231 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 34, 33.538, 322.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

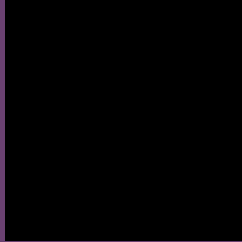
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 33.538, 322.231

Background



This preview shows how black text looks on a background with the CIELCh color 34, 33.538, 322.231.



This preview shows how white text looks on a background with the CIELCh color 34, 33.538, 322.231.

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

34, 33.538, 322.231

Protanopia

34, 28.349, 285.030

Deuteranopia

34, 19.546, 284.995



Tritanopia
34, 12.882, 7.646

Trichromacy



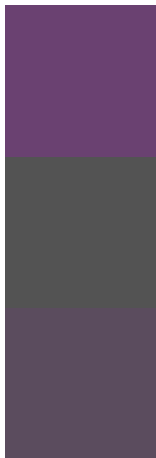
Original Color
34, 33.538, 322.231

Protanomaly
34, 28.997, 298.294

Deuteranomaly
34, 23.634, 302.978

Tritanomaly
34, 19.042, 339.336

Monochromacy



Original Color
34, 33.538, 322.231

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 12.913, 320.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 33.538, 322.231 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(106, 65, 113)` looks like.

```
.text, #text, p{  
    color:rgb(106, 65, 113)  
}
```

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(106, 65, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 65, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 33.538, 322.231 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(106, 65, 113) }
```

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

```
.border{ border-color:rgb(106, 65, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 65, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 65, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 65, 113);  
box-shadow:4px 4px 4px 4px rgb(106, 65,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 33.538, 322.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 65, 113) }
```

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

```
.background{ background-color: rgb(106, 65,  
113) }
```

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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