

Converting Colors

CIELCh(35, 35.757, 314.848)

Have a look what the booklet for
CIELCh(35, 35.757, 314.848)
contains.

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Color

CIELCh(35, 35.629, 314.713)

Conversions

Conversions Part 1

Format	Color
Hex	66457B
RGB	102, 69, 123
RGB Percent	40%, 27%, 48%
CMY	0.6002, 0.7296, 0.5179
CMYK	0.17, 0.44, 0.00, 0.52
HSL	277°, 28%, 38%
HSV	277°, 44%, 48%
XYZ	11.1678, 8.4984, 19.7692
YIQ	85.0230, 2.3340, 23.7900

Conversions

Conversions Part 2

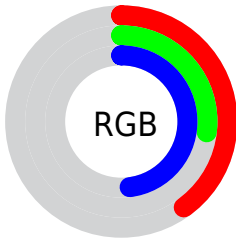
Format	Color
R_{YB}	102, 69, 123
Decimal	6702459
CIE _{Lab}	35.00, 25.07, -25.32
CIE _{LCh}	35, 35.629, 314.713
Yxy	8.4984, 0.2832, 0.2155
Android (android.graphics.Color)	4284892539 (0xFF66457B)
YUV	85.0230, 18.7227, 14.8888
Hunter-Lab	29.1520, 17.3651, -19.8007

Details

The CIELCh color **35, 35.629, 314.713** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **48, 34.094, 130.879**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 35.738, 314.594**, and **15, 35.727, 314.470** is the 20% darker color. If you saturate the color by 10%, you get **32, 43.720, 315.107**, and if you desaturate by 10%, it is **39, 27.384, 314.281**.

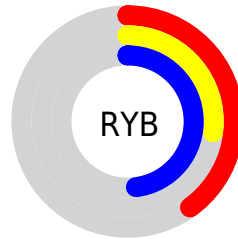
Distribution



Red (40%)

Green (27%)

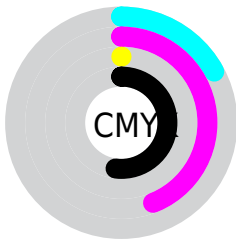
Blue (48%)



Red (40%)

Yellow (27%)

Blue (48%)

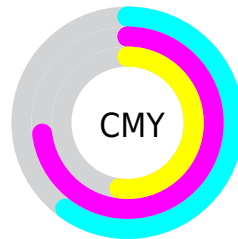


Cyan (17%)

Magenta (44%)

Yellow (0%)

Black (52%)



Cyan (60%)


Magenta (73%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 35.629, 314.713 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 35, 35.629, 314.713 by changing the saturation by 10% instead.


 35, 35.629,
314.713


 35, 35.629,
314.713

 100, 35.629,
314.713


 25, 35.629,
314.713

 55, 35.629,
314.713


 15, 35.629,
314.713


 65, 35.629,
314.713

 5, 35.629, 314.713

 75, 35.629,
314.713

 0, 35.629, 314.713

 85, 35.629,
314.713

 95, 35.629,
314.713

■ 35, 35.629,
314.713

■ 35, 35.629,
314.713

■ 32, 43.720,
315.107

■ 39, 27.384,
314.281

■ 28, 51.416,
315.421

■ 42, 19.151,
313.840

■ 25, 58.372,
315.599

■ 46, 11.027,
313.405

■ 23, 64.162,
315.569

■ 50, 3.072, 312.971

■ 54, 4.685, 132.649

■ 21, 68.412,
315.268

■ 58, 12.229,
132.285

■ 20, 70.815,
315.091

■ 62, 19.557,
131.964

■ 66, 26.673,
131.678

■ 69, 33.582,
131.422

Harmonies

Complementary

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



35, 35.629, 314.713



48, 34.094, 130.879

Rectangle

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



35, 35.629, 314.713



35, 35.629, 4.713



35, 35.629, 134.713



35, 35.629, 184.713

Sweetspot

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



35, 35.628, 314.713



60, 12.811, 313.380



38, 20.880, 272.827



30, 9.053, 313.461



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



35, 35.628, 314.713



42, 53.484, 315.121



37, 35.779, 329.720



24, 4.421, 313.198



20, 71.657, 315.074



44, 121.128, 314.508

Inverse Universe

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



36, 26.157, 354.950



44, 39.060, 356.683



47, 35.851, 143.910



24, 3.235, 350.833



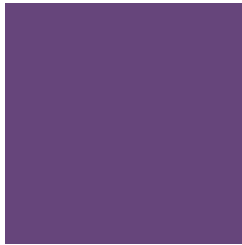
25, 49.927, 10.809



54, 84.577, 13.882

Previews

White Background



This preview shows how the CIELCh color 35, 35.629, 314.713 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 35, 35.629, 314.713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

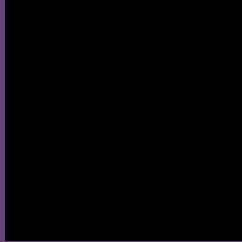
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 35.629, 314.713

Background



This preview shows how black text looks on a background with the CIELCh color 35, 35.629, 314.713.



This preview shows how white text looks on a background with the CIELCh color 35, 35.629, 314.713.

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

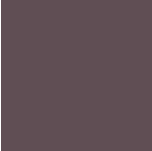
35, 35.629, 314.713

Protanopia

35, 32.593, 285.191

Deuteranopia

35, 23.990, 281.943



Tritanopia
35, 8.679, 355.393

Trichromacy



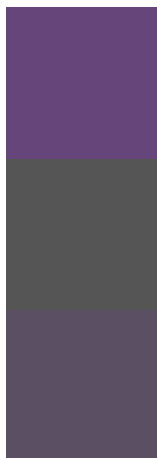
Original Color
35, 35.629, 314.713

Protanomaly
35, 32.456, 295.330

Deuteranomaly
35, 27.563, 296.764

Tritanomaly
35, 17.188, 325.629

Monochromacy



Original Color
35, 35.629, 314.713

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 13.446, 313.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 35.629, 314.713 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(102, 69, 123)` looks like.

```
.text, #text, p{  
    color:rgb(102, 69, 123)  
}
```

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(102, 69, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 69, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 35.629, 314.713 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(102, 69, 123) }
```

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

```
.border{ border-color:rgb(102, 69, 123) }
```

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

Here you see how a box with a 4 pixel rgb(102, 69, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 69, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 69, 123);  
box-shadow:4px 4px 4px 4px rgb(102, 69,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 35.629, 314.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 69, 123) }
```

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

```
.background{ background-color: rgb(102, 69,  
123) }
```

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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