

Converting Colors

CIELCh(35, 16.772, 227.793)

Have a look what the booklet for
CIELCh(35, 16.772, 227.793)
contains.

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Color

CIELCh(35, 16.871, 229.270)

Conversions

Conversions Part 1

Format	Color
Hex	2B5866
RGB	43, 88, 102
RGB Percent	17%, 35%, 40%
CMY	0.8304, 0.6540, 0.5991
CMYK	0.58, 0.14, 0.00, 0.60
HSL	194°, 41%, 29%
HSV	194°, 58%, 40%
XYZ	6.9237, 8.4984, 13.9047
YIQ	76.1410, -31.3140, -5.1860

Conversions

Conversions Part 2

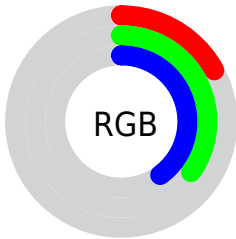
Format	Color
R_{YB}	43, 69, 102
Decimal	2840678
CIE _{Lab}	35.00, -11.01, -12.78
CIE _{LCh}	35, 16.871, 229.270
Yxy	8.4984, 0.2361, 0.2898
Android (android.graphics.Color)	4281030758 (0xFF2B5866)
YUV	76.1410, 12.7485, -29.0647
Hunter-Lab	29.1520, -8.6214, -7.8734




Details

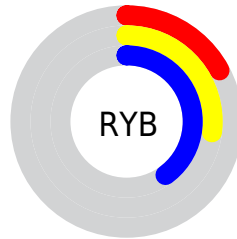
The CIELCh color **35, 16.871, 229.270** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 25.199, 43.288**, and the grayscale version is **32, 0.005, 296.813**.




A 20% lighter version of the original color is **55, 16.879, 229.141**, and **16, 14.720, 232.736** is the 20% darker color. If you saturate the color by 10%, you get **34, 18.797, 231.254**, and if you desaturate by 10%, it is **36, 14.591, 227.699**.

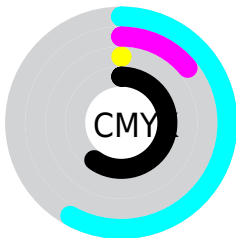
Distribution







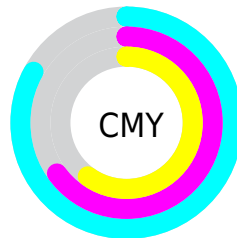
-  Red (17%)
-  Green (35%)
-  Blue (40%)






-  Red (17%)
-  Yellow (27%)
-  Blue (40%)



-  Cyan (58%)
-  Magenta (14%)
-  Yellow (0%)
-  Black (60%)





-  Cyan (83%)
-  Magenta (65%)
-  Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 16.871, 229.270 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, 16.871, 229.270 by changing the saturation by 10% instead.


 35, 16.871,
229.270


 35, 16.871,
229.270

 100, 16.871,
229.270


 25, 16.871,
229.270

 55, 16.871,
229.270


 15, 16.871,
229.270


 65, 16.871,
229.270

 5, 16.871, 229.270

 75, 16.871,
229.270

 0, 16.871, 229.270

 85, 16.871,
229.270

 95, 16.871,
229.270

■ 35, 16.871,
229.270

■ 35, 16.871,
229.270

■ 34, 18.797,
231.254

■ 36, 14.591,
227.699

■ 33, 20.357,
233.731

■ 38, 11.990,
226.475

■ 32, 21.566,
236.770

■ 39, 9.106, 225.532

■ 31, 22.575,
240.154

■ 41, 5.984, 224.823

■ 42, 2.665, 224.342

■ 30, 22.819,
240.895

■ 44, 0.810, 43.410

■ 45, 4.407, 43.444

■ 47, 8.097, 43.271

■ 49, 11.855, 43.146

Harmonies

Complementary

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



35, 16.871, 229.270



29, 25.199, 43.288

Rectangle

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



35, 16.871, 229.270



35, 16.871, 279.270



35, 16.871, 49.270



35, 16.871, 99.270

Sweetspot

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



35, 16.871, 229.269



52, 7.120, 224.810



38, 36.138, 146.624



26, 4.708, 224.889



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



35, 16.871, 229.269



44, 23.294, 232.004



26, 28.520, 285.928



20, 1.935, 224.385



34, 24.826, 241.536



70, 43.611, 244.466

Inverse Universe

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



28, 35.929, 335.736



33, 50.841, 336.815



37, 27.274, 89.189



20, 3.584, 332.373



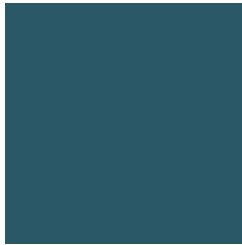
25, 53.792, 339.886



54, 92.368, 340.790

Previews

White Background



This preview shows how the CIELCh color 35, 16.871, 229.270 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, 16.871, 229.270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

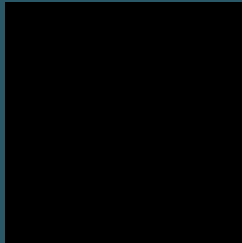
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 16.871, 229.270

Background



This preview shows how black text looks on a background with the CIELCh color 35, 16.871, 229.270.



This preview shows how white text looks on a background with the CIELCh color 35, 16.871, 229.270.

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

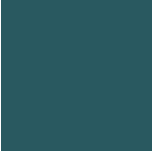
35, 16.871, 229.270

Protanopia

35, 10.016, 287.322

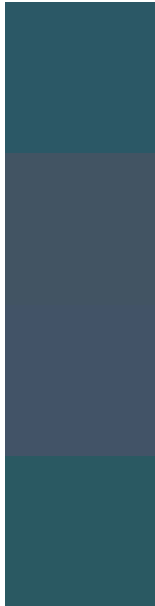
Deuteranopia

35, 15.008, 291.211



Tritanopia
35, 16.659, 212.766

Trichromacy



Original Color
35, 16.871, 229.270

Protanomaly
35, 11.328, 255.095

Deuteranomaly
35, 13.735, 265.229

Tritanomaly
35, 16.559, 217.529

Monochromacy



Original Color
35, 16.871, 229.270

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 7.300, 230.033

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 16.871, 229.270 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(43, 88, 102)` looks like.

```
.text, #text, p{  
    color:rgb(43, 88, 102)  
}
```

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(43, 88, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 88, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 16.871, 229.270 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(43, 88, 102) }
```

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

```
.border{ border-color:rgb(43, 88, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 88, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 88, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 88, 102);  
box-shadow:4px 4px 4px 4px rgb(43, 88,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 16.871, 229.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 88, 102) }
```

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

```
.background{ background-color: rgb(43, 88,  
102) }
```

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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