

Converting Colors

CIELCh(35, 33.220, 264.549)

Have a look what the booklet for
CIELCh(35, 33.220, 264.549)
contains.

CIELCh(35, 33.091, 264.280)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(35, 33.091, 264.280)

Conversions

Conversions Part 1

Format	Color
Hex	005787
RGB	0, 87, 135
RGB Percent	0%, 34%, 53%
CMY	1.0000, 0.6601, 0.4720
CMYK	1.00, 0.36, 0.00, 0.47
HSL	201°, 100%, 26%
HSV	201°, 100%, 53%
XYZ	7.7193, 8.4984, 24.0264
YIQ	66.4590, -67.2600, -3.5160

Conversions

Conversions Part 2

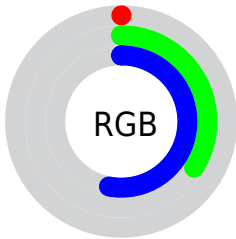
Format	Color
R_{YB}	0, 53, 135
Decimal	22407
CIE _{Lab}	35.00, -3.30, -32.93
CIE _{LCh}	35, 33.091, 264.280
Yxy	8.4984, 0.1918, 0.2112
Android (android.graphics.Color)	4278212487 (0xFF005787)
YUV	66.4590, 33.7907, -58.2845
Hunter-Lab	29.1520, -3.7499, -28.4590

Details

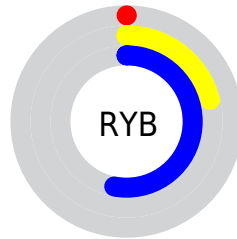
The CIELCh color **35, 33.091, 264.280** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **32, 56.439, 51.324**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 33.062, 264.120**, and **17, 30.381, 280.655** is the 20% darker color. If you saturate the color by 10%, you get **35, 33.065, 264.376**, and if you desaturate by 10%, it is **37, 30.664, 259.812**.

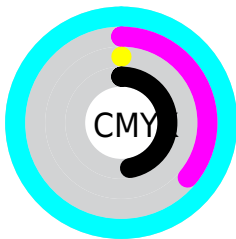
Distribution



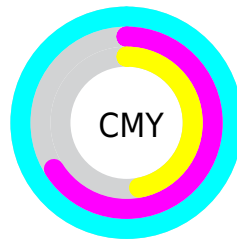
- Red (0%)
- Green (34%)
- Blue (53%)



- Red (0%)
- Yellow (21%)
- Blue (53%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (47%)





- Cyan (100%)
- Magenta (66%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 33.091, 264.280 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, 33.091, 264.280 by changing the saturation by 10% instead.


 35, 33.091,
264.280


 35, 33.091,
264.280

 100, 33.091,
264.280


 25, 33.091,
264.280

 55, 33.091,
264.280


 15, 33.091,
264.280


 65, 33.091,
264.280

 5, 33.091, 264.280

 75, 33.091,
264.280

 0, 33.091, 264.280

 85, 33.091,
264.280

 95, 33.091,
264.280

■ 35, 33.091,
264.280

■ 35, 33.091,
264.280

■ 35, 33.065,
264.376

■ 37, 30.664,
259.812

■ 39, 28.240,
255.467

■ 40, 25.615,
251.716

■ 42, 22.726,
248.560

■ 45, 19.546,
245.951

■ 47, 16.083,
243.816

■ 49, 12.360,
242.079

■ 51, 8.414, 240.675

Harmonies

Complementary

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



35, 33.091, 264.280



32, 56.439, 51.324

Rectangle

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



35, 33.091, 264.280



35, 33.091, 314.280



35, 33.091, 84.280



35, 33.091, 134.280

Sweetspot

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



35, 33.065, 264.376



63, 15.355, 242.186



49, 62.720, 143.379



32, 10.467, 242.791



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



35, 33.065, 264.376



46, 40.828, 265.647



17, 74.957, 303.301



27, 2.389, 239.477



34, 32.175, 264.186



0, 0.580, 238.549

Inverse Universe

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



29, 55.841, 348.505



39, 67.647, 349.136



49, 54.649, 92.393



26, 4.104, 337.247



28, 54.490, 348.413



0, 0.975, 336.649

Previews

White Background



This preview shows how the CIE LCh color 35, 33.091, 264.280 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 CIELCh color 35, 33.091, 264.280 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, 33.091, 264.280

Background



This preview shows how black text looks on a background with the CIELCh color 35, 33.091, 264.280.



This preview shows how white text looks on a background with the CIELCh color 35, 33.091, 264.280.

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, 33.091, 264.280

Protanopia

35, 30.122, 284.816

Deuteranopia

35, 33.727, 279.183



Tritanopia
35, 23.060, 206.058

Trichromacy



Original Color
35, 33.091, 264.280

Protanomaly
35, 31.333, 273.656

Deuteranomaly
35, 34.039, 272.844

Tritanomaly
35, 23.634, 231.350

Monochromacy



Original Color
35, 33.091, 264.280

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 15.087, 244.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 33.091, 264.280 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(0, 87, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 87, 135)  
}
```

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(0, 87, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 87, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 33.091, 264.280 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(0, 87, 135) }
```

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

```
.border{ border-color:rgb(0, 87, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 87, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 87, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 87, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 87, 135)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 33.091, 264.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 87, 135) }
```

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

```
.background{ background-color: rgb(0, 87,  
135) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor