

Converting Colors

CIELCh(36, 65.199, 299.883)

Have a look what the booklet for
CIELCh(36, 65.199, 299.883)
contains.

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Color

CIELCh(36, 65.665, 300.116)

Conversions

Conversions Part 1

Format	Color
Hex	4946B1
RGB	73, 70, 177
RGB Percent	29%, 27%, 69%
CMY	0.7129, 0.7248, 0.3051
CMYK	0.59, 0.60, 0.00, 0.31
HSL	242°, 43%, 49%
HSV	242°, 60%, 69%
XYZ	12.9200, 9.0082, 42.7556
YIQ	83.0950, -32.5590, 33.9130

Conversions

Conversions Part 2

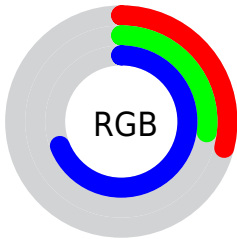
Format	Color
R_{YB}	73, 70, 177
Decimal	4802225
CIE _{Lab}	36.00, 32.95, -56.80
CIE _{LCh}	36, 65.665, 300.116
Yxy	9.0082, 0.1997, 0.1393
Android (android.graphics.Color)	4282992305 (0xFF4946B1)
YUV	83.0950, 46.2952, -8.8533
Hunter-Lab	30.0136, 24.3151, -63.4515

Details

The CIELCh color **36, 65.665, 300.116** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **70, 55.022, 106.048**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 65.719, 300.055**, and **16, 65.248, 301.069** is the 20% darker color. If you saturate the color by 10%, you get **31, 77.414, 302.156**, and if you desaturate by 10%, it is **42, 53.820, 298.150**.

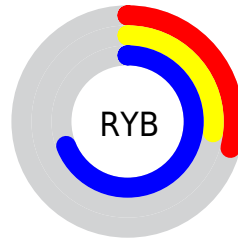
Distribution



Red (29%)

Green (27%)

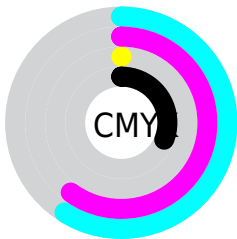
Blue (69%)



Red (29%)

Yellow (27%)

Blue (69%)

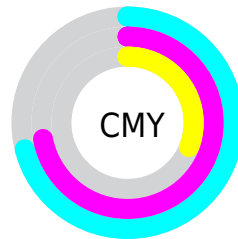


Cyan (59%)

Magenta (60%)

Yellow (0%)

Black (31%)



Cyan (71%)


Magenta (72%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 65.665, 300.116 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 36, 65.665, 300.116 by changing the saturation by 10% instead.


 36, 65.665,
300.116


 36, 65.665,
300.116

 100, 65.665,
300.116


 26, 65.665,
300.116

 56, 65.665,
300.116


 16, 65.665,
300.116


 66, 65.665,
300.116

 6, 65.665, 300.116

 76, 65.665,
300.116

 0, 65.665, 300.116

 86, 65.665,
300.116

 96, 65.665,
300.116

■ 36, 65.665,
300.116

■ 36, 65.665,
300.116

■ 31, 77.414,
302.156

■ 42, 53.820,
298.150

■ 26, 88.197,
304.050

■ 48, 42.269,
296.368

■ 23, 96.558,
305.488

■ 54, 31.146,
294.806

■ 21, 101.688,
306.376

■ 60, 20.472,
293.463

■ 66, 10.232,
292.319

■ 72, 0.396, 291.461

■ 78, 9.065, 110.501

■ 84, 18.179,
109.793

■ 90, 26.971,
109.186

Harmonies

Complementary

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



36, 65.665, 300.116



70, 55.022, 106.048

Rectangle

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



36, 65.665, 300.116



36, 65.665, 350.116



36, 65.665, 120.116



36, 65.665, 170.116

Sweetspot

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



36, 65.665, 300.117



78, 22.194, 293.208



66, 30.879, 198.791



39, 15.496, 293.557



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



36, 65.665, 300.117



39, 97.809, 302.718



41, 65.405, 312.561



34, 5.593, 292.206



17, 91.231, 306.393



1, 13.321, 291.045

Inverse Universe

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



48, 66.685, 328.310



58, 92.719, 328.779



67, 60.029, 127.025



35, 6.621, 325.698



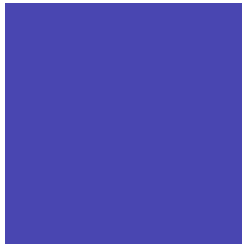
36, 77.208, 329.381



3, 15.785, 325.626

Previews

White Background



This preview shows how the CIELCh color 36, 65.665, 300.116 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 36, 65.665, 300.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

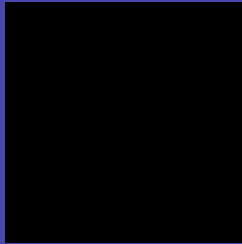
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 65.665, 300.116

Background



This preview shows how black text looks on a background with the CIELCh color 36, 65.665, 300.116.



This preview shows how white text looks on a background with the CIELCh color 36, 65.665, 300.116.

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

36, 65.665, 300.116

Protanopia

36, 57.215, 286.810

Deuteranopia

36, 40.207, 273.596



Tritanopia
36, 17.633, 211.741

Trichromacy



Original Color
36, 65.665, 300.116

Protanomaly
35, 60.716, 290.735

Deuteranomaly
35, 48.874, 284.692

Tritanomaly
35, 27.885, 274.405

Monochromacy



Original Color
36, 65.665, 300.116

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 24.406, 294.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 65.665, 300.116 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(73, 70, 177)` looks like.

```
.text, #text, p{  
    color:rgb(73, 70, 177)  
}
```

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(73, 70, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 70, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 65.665, 300.116 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(73, 70, 177) }
```

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

```
.border{ border-color:rgb(73, 70, 177) }
```

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

Here you see how a box with a 4 pixel rgb(73, 70, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 70, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 70, 177);  
box-shadow:4px 4px 4px 4px rgb(73, 70,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 65.665, 300.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 70, 177) }
```

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

```
.background{ background-color: rgb(73, 70,  
177) }
```

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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