

Converting Colors

CIELCh(36, 67.336, 291.455)

Have a look what the booklet for
CIELCh(36, 67.336, 291.455)
contains.

CIELCh(36, 67.148, 291.321)	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(36, 67.148, 291.321)

Conversions

Conversions Part 1

Format	Color
Hex	024EBB
RGB	2, 78, 187
RGB Percent	1%, 31%, 73%
CMY	0.9923, 0.6949, 0.2677
CMYK	0.99, 0.58, 0.00, 0.27
HSL	215°, 98%, 37%
HSV	215°, 99%, 73%
XYZ	11.6757, 9.0082, 47.9930
YIQ	67.7020, -80.2850, 17.7870

Conversions

Conversions Part 2

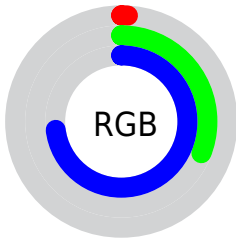
Format	Color
RYB	2, 56, 187
Decimal	151227
CIELab	36.00, 24.41, -62.55
CIElCh	36, 67.148, 291.321
Yxy	9.0082, 0.1700, 0.1312
Android (android.graphics.Color)	4278341307 (0xFF024EBB)
YUV	67.7020, 58.8139, -57.6207
Hunter-Lab	30.0136, 16.9151, -73.7976

Details

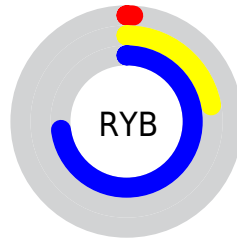
The CIELCh color **36, 67.148, 291.321** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **54, 65.242, 68.666**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 67.298, 291.318**, and **20, 64.398, 298.831** is the 20% darker color. If you saturate the color by 10%, you get **36, 67.925, 291.710**, and if you desaturate by 10%, it is **39, 59.870, 287.349**.

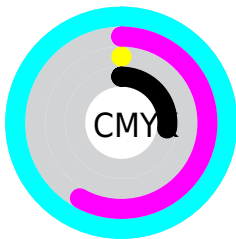
Distribution



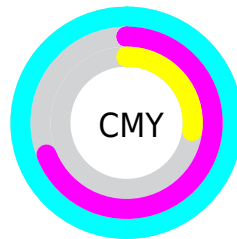
- Red (1%)
- Green (31%)
- Blue (73%)



- Red (1%)
- Yellow (22%)
- Blue (73%)



- Cyan (99%)
- Magenta (58%)
- Yellow (0%)
- Black (27%)





- Cyan (99%)
- Magenta (69%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 67.148, 291.321 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, 67.148, 291.321 by changing the saturation by 10% instead.


 36, 67.148,
291.321


 36, 67.148,
291.321

 100, 67.148,
291.321


 26, 67.148,
291.321

 56, 67.148,
291.321


 16, 67.148,
291.321


 66, 67.148,
291.321

 6, 67.148, 291.321

 76, 67.148,
291.321

 0, 67.148, 291.321

 86, 67.148,
291.321

 96, 67.148,
291.321

■ 36, 67.148,
291.321

■ 36, 67.148,
291.321

■ 36, 67.925,
291.710

■ 39, 59.870,
287.349

■ 43, 52.770,
283.397

■ 47, 45.848,
279.722

■ 51, 39.059,
276.431

■ 55, 32.354,
273.558

■ 59, 25.695,
271.088

■ 63, 19.062,
268.984

■ 68, 12.452,

267.197

■ 72, 5.869, 265.691

Harmonies

Complementary

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



36, 67.148, 291.321



54, 65.242, 68.666

Rectangle

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



36, 67.148, 291.321



36, 67.148, 341.321



36, 67.148, 111.321



36, 67.148, 161.321

Sweetspot

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



36, 67.148, 291.323



80, 24.413, 269.286



67, 63.984, 153.952



40, 16.804, 270.158



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



36, 67.148, 291.323



46, 84.014, 292.395



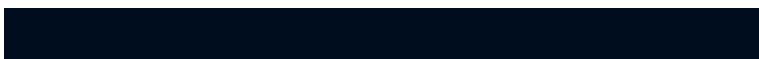
23, 104.904, 306.462



38, 3.749, 265.748



30, 59.252, 291.168



3, 12.595, 274.743

Inverse Universe

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



40, 66.759, 10.219



52, 81.573, 11.640



72, 76.849, 107.945



37, 4.701, 349.564



33, 59.181, 9.990



3, 13.349, 356.764

Previews

White Background



This preview shows how the CIE LCh color 36, 67.148, 291.321 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, 67.148, 291.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

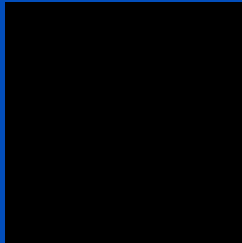
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 67.148, 291.321

Background



This preview shows how black text looks on a background with the CIELCh color 36, 67.148, 291.321.



This preview shows how white text looks on a background with the CIELCh color 36, 67.148, 291.321.

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, 67.155, 291.286

Protanopia

36, 56.573, 286.293

Deuteranopia

36, 39.677, 273.041



Tritanopia
36, 23.416, 205.874

Trichromacy



Original Color
36, 67.155, 291.286

Protanomaly
36, 60.714, 288.561

Deuteranomaly
36, 49.070, 281.749

Tritanomaly
35, 31.239, 260.599

Monochromacy



Original Color
36, 67.155, 291.286

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 25.842, 275.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 67.148, 291.321 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(2, 78, 187)` looks like.

```
.text, #text, p{  
    color:rgb(2, 78, 187)  
}
```

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(2, 78, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 78, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 67.148, 291.321 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(2, 78, 187) }
```

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

```
.border{ border-color:rgb(2, 78, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 78, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 78, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 78, 187);  
box-shadow:4px 4px 4px 4px rgb(2, 78, 187)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 67.148, 291.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 78, 187) }
```

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

```
.background{ background-color: rgb(2, 78,  
187) }
```

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