

Converting Colors

CIELCh(36, 67.422, 296.512)

Have a look what the booklet for
CIELCh(36, 67.422, 296.512)
contains.

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Color

CIELCh(36, 67.509, 296.508)

Conversions

Conversions Part 1

Format	Color
Hex	3649B7
RGB	54, 73, 183
RGB Percent	21%, 29%, 72%
CMY	0.7871, 0.7130, 0.2815
CMYK	0.70, 0.60, 0.00, 0.28
HSL	231°, 54%, 47%
HSV	231°, 70%, 72%
XYZ	12.4999, 9.0082, 45.9967
YIQ	79.8590, -46.6340, 30.1820

Conversions

Conversions Part 2

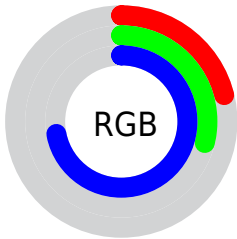
Format	Color
R_{YB}	54, 71, 183
Decimal	3557815
CIE _{Lab}	36.00, 30.13, -60.41
CIE _{LCh}	36, 67.509, 296.508
Yxy	9.0082, 0.1852, 0.1334
Android (android.graphics.Color)	4281747895 (0xFF3649B7)
YUV	79.8590, 50.8485, -22.6783
Hunter-Lab	30.0136, 21.8170, -69.8541

Details

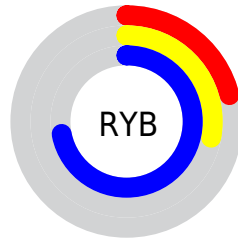
The CIELCh color **36, 67.509, 296.508** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **67, 57.085, 95.588**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 67.832, 296.653**, and **18, 66.085, 300.389** is the 20% darker color. If you saturate the color by 10%, you get **31, 78.097, 299.255**, and if you desaturate by 10%, it is **41, 56.925, 293.870**.

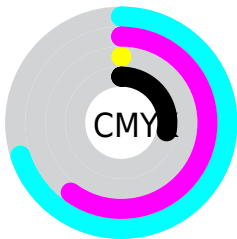
Distribution



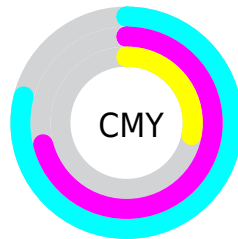
- Red (21%)
- Green (29%)
- Blue (72%)



- Red (21%)
- Yellow (28%)
- Blue (72%)



- Cyan (70%)
- Magenta (60%)
- Yellow (0%)
- Black (28%)





- Cyan (79%)
- Magenta (71%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 67.509, 296.508 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, 67.509, 296.508 by changing the saturation by 10% instead.

 36, 67.509,
296.508


 36, 67.509,
296.508

 100, 67.509,
296.508


 26, 67.509,
296.508

 56, 67.509,
296.508


 16, 67.509,
296.508


 66, 67.509,
296.508

 6, 67.509, 296.508

 76, 67.509,
296.508

 0, 67.509, 296.508

 86, 67.509,
296.508

 96, 67.509,
296.508

■ 36, 67.509,
296.508

■ 36, 67.509,
296.508

■ 31, 78.097,
299.255

■ 41, 56.925,
293.870

■ 27, 88.049,
301.878

■ 46, 46.623,
291.468

■ 24, 96.098,
303.955

■ 52, 36.684,
289.354

■ 58, 27.111,
287.528

■ 63, 17.877,
285.965

■ 69, 8.957, 284.633

■ 74, 0.324, 283.845

■ 80, 8.040, 102.473

■ 85, 16.155,
101.630

Harmonies

Complementary

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



36, 67.509, 296.508



67, 57.085, 95.588

Rectangle

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



36, 67.509, 296.508



36, 67.509, 346.508



36, 67.509, 116.508



36, 67.509, 166.508

Sweetspot

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



36, 67.509, 296.509



79, 22.765, 286.106



68, 39.090, 180.362



41, 15.605, 286.518



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



36, 67.509, 296.509



39, 100.974, 300.602



36, 78.020, 308.552



36, 4.893, 284.508



20, 84.367, 303.684



2, 13.738, 285.582

Inverse Universe

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



43, 56.074, 19.966



52, 80.804, 26.175



69, 66.902, 120.554



36, 4.072, 8.164



32, 66.069, 32.445



2, 10.788, 10.567

Previews

White Background



This preview shows how the CIELCh color 36, 67.509, 296.508 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, 67.509, 296.508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

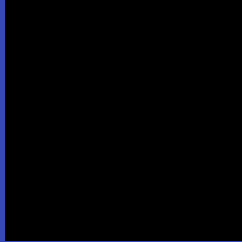
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 67.509, 296.508

Background



This preview shows how black text looks on a background with the CIELCh color 36, 67.509, 296.508.



This preview shows how white text looks on a background with the CIELCh color 36, 67.509, 296.508.

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, 67.509, 296.508

Protanopia

36, 56.643, 286.547

Deuteranopia

36, 39.677, 273.041



Tritanopia
36, 23.416, 205.874

Trichromacy



Original Color
36, 67.509, 296.508

Protanomaly
35, 60.720, 289.953

Deuteranomaly
36, 49.515, 283.952

Tritanomaly
35, 30.493, 263.829

Monochromacy



Original Color
36, 67.509, 296.508

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 25.093, 288.839

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 67.509, 296.508 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(54, 73, 183)` looks like.

```
.text, #text, p{  
    color:rgb(54, 73, 183)  
}
```

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(54, 73, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 73, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 67.509, 296.508 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(54, 73, 183) }
```

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

```
.border{ border-color:rgb(54, 73, 183) }
```

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

Here you see how a box with a 4 pixel rgb(54, 73, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 73, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 73, 183);  
box-shadow:4px 4px 4px 4px rgb(54, 73,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 67.509, 296.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 73, 183) }
```

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

```
.background{ background-color: rgb(54, 73,  
183) }
```

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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