

Converting Colors

CIELCh(36, 80.647, 308.257)

Have a look what the booklet for
CIELCh(36, 80.647, 308.257)
contains.

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Color

CIELCh(36, 80.705, 308.280)

Conversions

Conversions Part 1

Format	Color
Hex	6336BC
RGB	99, 54, 188
RGB Percent	39%, 21%, 74%
CMY	0.6099, 0.7866, 0.2609
CMYK	0.47, 0.71, 0.00, 0.26
HSL	260°, 55%, 48%
HSV	260°, 71%, 74%
XYZ	15.6647, 9.0082, 48.7543
YIQ	82.7310, -16.1940, 51.2140

Conversions

Conversions Part 2

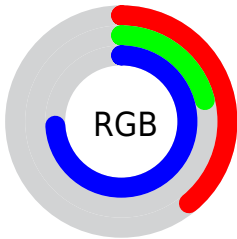
Format	Color
R_{YB}	99, 54, 188
Decimal	6502076
CIE _{Lab}	36.00, 50.00, -63.35
CIE _{LCh}	36, 80.705, 308.280
Yxy	9.0082, 0.2133, 0.1227
Android (android.graphics.Color)	4284692156 (0xFF6336BC)
YUV	82.7310, 51.8976, 14.2679
Hunter-Lab	30.0136, 40.6390, -75.3015

Details

The CIELCh color **36, 80.705, 308.280** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **71, 68.751, 119.975**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 80.292, 308.275**, and **16, 80.217, 308.201** is the 20% darker color. If you saturate the color by 10%, you get **32, 90.621, 308.809**, and if you desaturate by 10%, it is **41, 69.479, 307.544**.

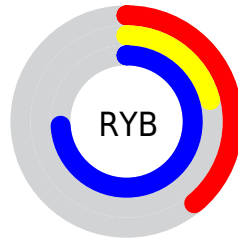
Distribution



Red (39%)

Green (21%)

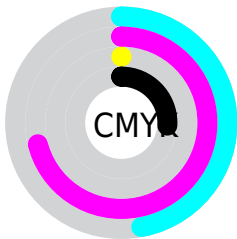
Blue (74%)



Red (39%)

Yellow (21%)

Blue (74%)

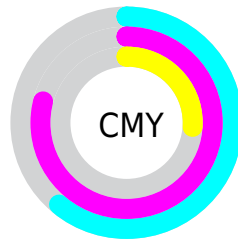


Cyan (47%)

Magenta (71%)

Yellow (0%)

Black (26%)



Cyan (61%)


Magenta (79%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 80.705, 308.280 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 36, 80.705, 308.280 by changing the saturation by 10% instead.


 36, 80.705,
308.280


 36, 80.705,
308.280

 100, 80.705,
308.280


 26, 80.705,
308.280

 56, 80.705,
308.280


 16, 80.705,
308.280


 66, 80.705,
308.280

 6, 80.705, 308.280

 76, 80.705,
308.280

 0, 80.705, 308.280

 86, 80.705,
308.280

 96, 80.705,
308.280

■ 36, 80.705,
308.280

■ 36, 80.705,
308.280

■ 32, 90.621,
308.809

■ 41, 69.479,
307.544

■ 28, 98.200,
308.966

■ 47, 57.710,
306.725

■ 26, 102.810,
308.815

■ 52, 45.866,
305.904

■ 58, 34.201,
305.126

■ 64, 22.838,
304.414

■ 70, 11.828,
303.774

■ 76, 1.186, 303.166

■ 82, 9.093, 122.728

■ 87, 19.021,
122.294

Harmonies

Complementary

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



36, 80.705, 308.280



71, 68.751, 119.975

Rectangle

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



36, 80.705, 308.280



36, 80.705, 358.280



36, 80.705, 128.280



36, 80.705, 178.280

Sweetspot

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



36, 80.705, 308.281



81, 28.083, 304.428



56, 33.077, 249.221



41, 19.087, 304.618



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, 80.705, 308.281



40, 115.562, 308.949



45, 79.640, 322.415



37, 6.012, 303.668



21, 90.133, 308.944



1, 17.718, 299.918

Inverse Universe

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



46, 64.290, 342.387



56, 85.708, 344.829



68, 78.893, 135.334



37, 5.582, 336.408



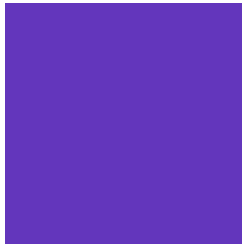
35, 63.317, 347.333



3, 15.604, 341.906

Previews

White Background



This preview shows how the CIELCh color 36, 80.705, 308.280 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 36, 80.705, 308.280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

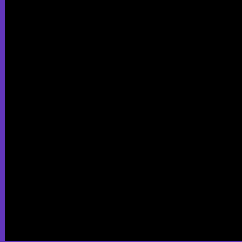
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 80.705, 308.280

Background



This preview shows how black text looks on a background with the CIELCh color 36, 80.705, 308.280.



This preview shows how white text looks on a background with the CIELCh color 36, 80.705, 308.280.

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

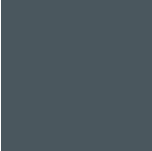
36, 80.705, 308.280

Protanopia

36, 56.573, 286.293

Deuteranopia

36, 40.207, 273.596



Tritanopia
36, 6.643, 239.913

Trichromacy



Original Color
36, 80.705, 308.280



Protanomaly
35, 66.205, 294.262



Deuteranomaly
34, 54.916, 290.227



Tritanomaly
35, 33.276, 300.021

Monochromacy



Original Color
36, 80.705, 308.280



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 30.666, 305.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 80.705, 308.280 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(99, 54, 188)` looks like.

```
.text, #text, p{  
    color:rgb(99, 54, 188)  
}
```

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(99, 54, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 54, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 80.705, 308.280 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(99, 54, 188) }
```

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

```
.border{ border-color:rgb(99, 54, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 54, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 54, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 54, 188);  
box-shadow:4px 4px 4px 4px rgb(99, 54,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 80.705, 308.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 54, 188) }
```

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

```
.background{ background-color: rgb(99, 54,  
188) }
```

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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