

Converting Colors

CIELCh(36, 46.719, 330.055)

Have a look what the booklet for
CIELCh(36, 46.719, 330.055)
contains.

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Color

CIELCh(36, 46.702, 329.811)

Conversions

Conversions Part 1

Format	Color
Hex	81397B
RGB	129, 57, 123
RGB Percent	51%, 22%, 48%
CMY	0.4944, 0.7767, 0.5179
CMYK	0.00, 0.56, 0.05, 0.49
HSL	305°, 39%, 36%
HSV	305°, 56%, 51%
XYZ	14.0713, 9.0082, 19.7112
YIQ	86.0520, 21.7260, 35.7900

Conversions

Conversions Part 2

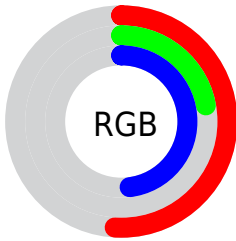
Format	Color
R_{YB}	129, 57, 123
Decimal	8468859
CIE _{Lab}	36.00, 40.37, -23.48
CIE _{LCh}	36, 46.702, 329.811
Yxy	9.0082, 0.3288, 0.2105
Android (android.graphics.Color)	4286658939 (0xFF81397B)
YUV	86.0520, 18.2154, 37.6654
Hunter-Lab	30.0136, 31.1625, -17.9287

Details

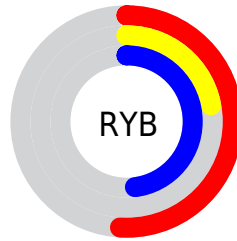
The CIELCh color **36, 46.702, 329.811** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **48, 47.120, 142.096**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 46.687, 329.829**, and **16, 46.863, 329.677** is the 20% darker color. If you saturate the color by 10%, you get **34, 53.297, 330.301**, and if you desaturate by 10%, it is **39, 39.146, 329.291**.

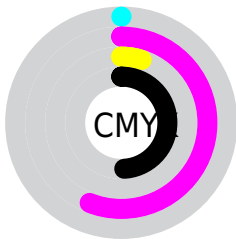
Distribution



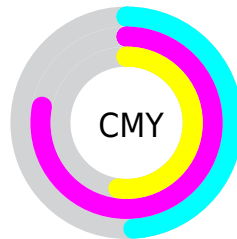
- Red (51%)
- Green (22%)
- Blue (48%)



- Red (51%)
- Yellow (22%)
- Blue (48%)



- Cyan (0%)
- Magenta (56%)
- Yellow (5%)
- Black (49%)





- Cyan (49%)
- Magenta (78%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 46.702, 329.811 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, 46.702, 329.811 by changing the saturation by 10% instead.


 36, 46.702,
329.811


 36, 46.702,
329.811

 100, 46.702,
329.811


 26, 46.702,
329.811

 56, 46.702,
329.811


 16, 46.702,
329.811


 66, 46.702,
329.811

 6, 46.702, 329.811

 76, 46.702,
329.811

 0, 46.702, 329.811

 86, 46.702,
329.811

 96, 46.702,
329.811

36, 46.702,
329.811

36, 46.702,
329.811

34, 53.297,
330.301

39, 39.146,
329.291

32, 58.609,
330.757

42, 30.957,
328.749

31, 62.374,
331.179

45, 22.409,
328.193

30, 64.596,
331.575

48, 13.715,
327.630

29, 65.403,
331.736

52, 5.031, 327.052

55, 3.539, 146.607

59, 11.929,
146.042

63, 20.102,
145.530

■ 67, 28.039,
145.045

Harmonies

Complementary

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



36, 46.702, 329.811



48, 47.120, 142.096

Rectangle

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



36, 46.702, 329.811



36, 46.702, 19.811



36, 46.702, 149.811



36, 46.702, 199.811

Sweetspot

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



36, 46.700, 329.811



61, 18.311, 327.718



28, 46.303, 299.815



31, 12.196, 327.809



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



36, 46.700, 329.811



44, 66.684, 330.429



35, 34.889, 353.953



25, 4.819, 327.245



29, 64.886, 331.732



0, 0.000, 0.000

Inverse Universe

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



36, 46.700, 329.811



44, 66.684, 330.429



49, 32.103, 161.465



25, 4.819, 327.245



29, 64.886, 331.732



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 36, 46.702, 329.811 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, 46.702, 329.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

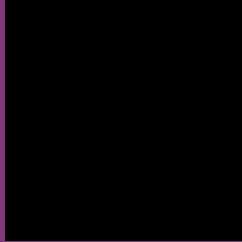
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 46.702, 329.811

Background



This preview shows how black text looks on a background with the CIELCh color 36, 46.702, 329.811.



This preview shows how white text looks on a background with the CIELCh color 36, 46.702, 329.811.

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, 46.702, 329.811

Protanopia

36, 39.175, 286.401

Deuteranopia

36, 21.213, 284.983



Tritanopia
36, 24.833, 16.737

Trichromacy



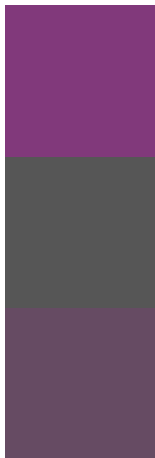
Original Color
36, 46.702, 329.811

Protanomaly
35, 40.025, 300.844

Deuteranomaly
35, 29.757, 309.475

Tritanomaly
36, 29.739, 351.559

Monochromacy



Original Color
36, 46.702, 329.811

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 18.577, 329.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 46.702, 329.811 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(129, 57, 123)` looks like.

```
.text, #text, p{  
    color:rgb(129, 57, 123)  
}
```

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(129, 57, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 57, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 46.702, 329.811 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(129, 57, 123) }
```

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

```
.border{ border-color:rgb(129, 57, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 57, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 57, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 57, 123);  
box-shadow:4px 4px 4px 4px rgb(129, 57,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 46.702, 329.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 57, 123) }
```

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

```
.background{ background-color: rgb(129, 57,  
123) }
```

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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