

Converting Colors

CIELCh(36, 41.811, 316.518)

Have a look what the booklet for
CIELCh(36, 41.811, 316.518)
contains.

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Color

CIELCh(36, 42.089, 316.831)

Conversions

Conversions Part 1

Format	Color
Hex	6E4383
RGB	110, 67, 131
RGB Percent	43%, 26%, 51%
CMY	0.5678, 0.7365, 0.4855
CMYK	0.16, 0.49, 0.00, 0.49
HSL	280°, 32%, 39%
HSV	280°, 49%, 51%
XYZ	12.5836, 9.0082, 22.6194
YIQ	87.1530, 5.0840, 29.0200

Conversions

Conversions Part 2

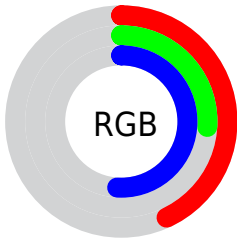
Format	Color
R_{YB}	110, 67, 131
Decimal	7226243
CIE _{Lab}	36.00, 30.70, -28.80
CIE _{LCh}	36, 42.089, 316.831
Yxy	9.0082, 0.2846, 0.2038
Android (android.graphics.Color)	4285416323 (0xFF6E4383)
YUV	87.1530, 21.6166, 20.0368
Hunter-Lab	30.0136, 22.3149, -23.6736




Details

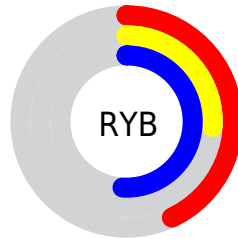
The CIELCh color $[36, 42.089, 316.831]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[50, 40.483, 132.525]$, and the grayscale version is $[37, 0.005, 296.813]$.




A 20% lighter version of the original color is $[56, 42.167, 317.021]$, and $[16, 41.798, 316.714]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 50.346, 317.153]$, and if you desaturate by 10%, it is $[40, 33.470, 316.444]$.

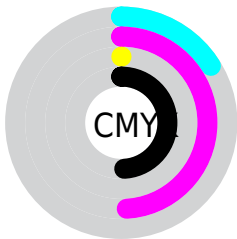
Distribution







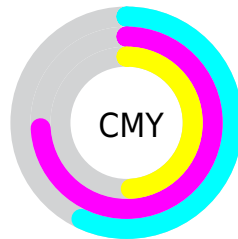
-  Red (43%)
-  Green (26%)
-  Blue (51%)






-  Red (43%)
-  Yellow (26%)
-  Blue (51%)



-  Cyan (16%)
-  Magenta (49%)
-  Yellow (0%)
-  Black (49%)





-  Cyan (57%)
-  Magenta (74%)
-  Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 42.089, 316.831 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, 42.089, 316.831 by changing the saturation by 10% instead.


 36, 42.089,
316.831


 36, 42.089,
316.831

 100, 42.089,
316.831


 26, 42.089,
316.831

 56, 42.089,
316.831


 16, 42.089,
316.831


 66, 42.089,
316.831

 6, 42.089, 316.831

 76, 42.089,
316.831

 0, 42.089, 316.831

 86, 42.089,
316.831

 96, 42.089,
316.831

■ 36, 42.089,
316.831

■ 36, 42.089,
316.831

■ 33, 50.346,
317.153

■ 40, 33.470,
316.444

■ 29, 57.919,
317.362

■ 43, 24.725,
316.025

■ 27, 64.396,
317.401

■ 47, 16.007,
315.597

■ 25, 69.346,
317.204

■ 51, 7.413, 315.173

■ 55, 1.000, 134.920

■ 23, 72.939,
316.814

■ 59, 9.202, 134.437

■ 23, 73.385,
316.775

■ 63, 17.179,
134.089

■ 67, 24.928,
133.774

■ 71, 32.453,
133.490

Harmonies

Complementary

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



36, 42.089, 316.831



50, 40.483, 132.525

Rectangle

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



36, 42.089, 316.831



36, 42.089, 6.831



36, 42.089, 136.831



36, 42.089, 186.831

Sweetspot

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



36, 42.088, 316.831



62, 15.803, 315.451



38, 26.809, 279.517



32, 10.885, 315.527



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



36, 42.088, 316.831



42, 62.572, 317.194



38, 39.749, 332.366



26, 4.799, 315.187



23, 72.916, 316.783



0, 1.139, 314.837

Inverse Universe

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



37, 29.962, 0.046



44, 44.581, 2.422



50, 39.836, 145.352



26, 3.343, 354.809



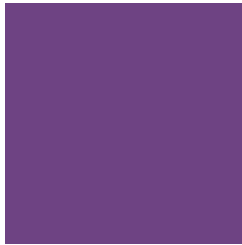
27, 52.173, 16.718



0, 0.787, 354.041

Previews

White Background



This preview shows how the CIELCh color 36, 42.089, 316.831 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, 42.089, 316.831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

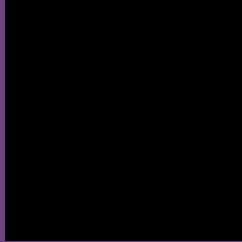
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 42.089, 316.831

Background



This preview shows how black text looks on a background with the CIELCh color 36, 42.089, 316.831.



This preview shows how white text looks on a background with the CIELCh color 36, 42.089, 316.831.

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, 42.089, 316.831

Protanopia

36, 38.617, 285.768

Deuteranopia

36, 27.084, 280.761



Tritanopia
36, 11.568, 2.632

Trichromacy



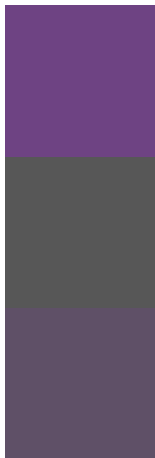
Original Color
36, 42.089, 316.831

Protanomaly
36, 39.148, 296.220

Deuteranomaly
36, 31.115, 296.276

Tritanomaly
36, 21.186, 330.785

Monochromacy



Original Color
36, 42.089, 316.831

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 15.565, 315.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 42.089, 316.831 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(110, 67, 131)` looks like.

```
.text, #text, p{  
    color:rgb(110, 67, 131)  
}
```

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(110, 67, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 67, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 42.089, 316.831 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(110, 67, 131) }
```

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

```
.border{ border-color:rgb(110, 67, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 67, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 67, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 67, 131);  
box-shadow:4px 4px 4px 4px rgb(110, 67,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 42.089, 316.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 67, 131) }
```

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

```
.background{ background-color: rgb(110, 67,  
131) }
```

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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