

Converting Colors

CIELCh(36, 42.005, 283.371)

Have a look what the booklet for
CIELCh(36, 42.005, 283.371)
contains.

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Color

CIELCh(36, 41.973, 283.610)

Conversions

Conversions Part 1

Format	Color
Hex	2D5396
RGB	45, 83, 150
RGB Percent	18%, 33%, 59%
CMY	0.8220, 0.6734, 0.4105
CMYK	0.70, 0.45, 0.00, 0.41
HSL	218°, 54%, 38%
HSV	218°, 70%, 59%
XYZ	9.7445, 9.0082, 30.2133
YIQ	79.2760, -44.1550, 12.7810

Conversions

Conversions Part 2

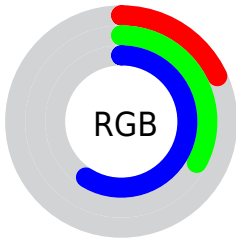
Format	Color
R_{YB}	45, 73, 150
Decimal	2970518
CIE Lab	36.00, 9.88, -40.79
CIE LCh	36, 41.973, 283.610
Yxy	9.0082, 0.1990, 0.1840
Android (android.graphics.Color)	4281160598 (0xFF2D5396)
YUV	79.2760, 34.8669, -30.0601
Hunter-Lab	30.0136, 5.4295, -38.6750

Details

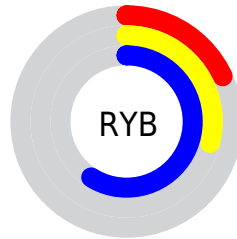
The CIELCh color **36, 41.973, 283.610** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 42.492, 79.412**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 42.168, 283.644**, and **17, 41.428, 290.291** is the 20% darker color. If you saturate the color by 10%, you get **33, 48.441, 287.051**, and if you desaturate by 10%, it is **40, 35.666, 280.502**.

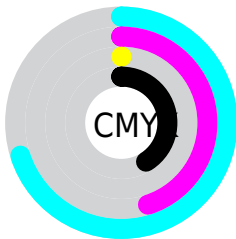
Distribution



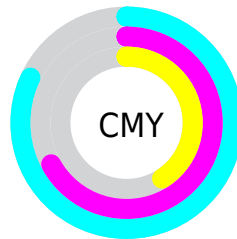
- Red (18%)
- Green (33%)
- Blue (59%)



- Red (18%)
- Yellow (29%)
- Blue (59%)



- Cyan (70%)
- Magenta (45%)
- Yellow (0%)
- Black (41%)





- Cyan (82%)
- Magenta (67%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 41.973, 283.610 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, 41.973, 283.610 by changing the saturation by 10% instead.


 36, 41.973,
283.610


 36, 41.973,
283.610

 100, 41.973,
283.610


 26, 41.973,
283.610

 56, 41.973,
283.610


 16, 41.973,
283.610


 66, 41.973,
283.610

 6, 41.973, 283.610

 76, 41.973,
283.610

 0, 41.973, 283.610

 86, 41.973,
283.610

 96, 41.973,
283.610

■ 36, 41.973,
283.610

■ 36, 41.973,
283.610

■ 33, 48.441,
287.051

■ 40, 35.666,
280.502

■ 29, 55.073,
290.713

■ 43, 29.491,
277.765

■ 26, 61.817,
294.275

■ 47, 23.420,
275.395

■ 26, 61.951,
294.339

■ 51, 17.432,
273.360

■ 55, 11.517,
271.621

■ 58, 5.670, 270.142

■ 62, 0.107, 86.835

■ 66, 5.810, 87.665

Harmonies

Complementary

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



36, 41.973, 283.610



50, 42.492, 79.412

Rectangle

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



36, 41.973, 283.610



36, 41.973, 333.610



36, 41.973, 103.610



36, 41.973, 153.610

Sweetspot

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



36, 41.973, 283.611



69, 15.199, 271.885



56, 40.896, 163.231



35, 10.384, 272.310



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



36, 41.973, 283.611



41, 63.778, 289.200



27, 66.671, 303.685



29, 3.224, 270.060



24, 57.632, 294.026



1, 2.807, 268.846

Inverse Universe

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



36, 46.731, 2.539



44, 65.285, 7.979



59, 54.558, 110.710



29, 3.729, 352.640



28, 53.912, 13.977



1, 3.212, 351.865

Previews

White Background



This preview shows how the CIE LCh color 36, 41.973, 283.610 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, 41.973, 283.610 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, 41.973, 283.610

Background



This preview shows how black text looks on a background with the CIELCh color 36, 41.973, 283.610.



This preview shows how white text looks on a background with the CIELCh color 36, 41.973, 283.610.

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, 41.973, 283.610

Protanopia

36, 41.760, 286.107

Deuteranopia

36, 40.836, 277.248



Tritanopia
36, 23.350, 207.503

Trichromacy



Original Color
36, 41.973, 283.610

Protanomaly
36, 41.853, 285.276

Deuteranomaly
36, 41.184, 279.343

Tritanomaly
36, 24.736, 245.236

Monochromacy



Original Color
36, 41.973, 283.610

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 16.258, 274.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 41.973, 283.610 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(45, 83, 150)` looks like.

```
.text, #text, p{  
    color:rgb(45, 83, 150)  
}
```

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(45, 83, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 83, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 41.973, 283.610 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(45, 83, 150) }
```

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

```
.border{ border-color:rgb(45, 83, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 83, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 83, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 83, 150);  
box-shadow:4px 4px 4px 4px rgb(45, 83,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 41.973, 283.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 83, 150) }
```

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

```
.background{ background-color: rgb(45, 83,  
150) }
```

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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