

Converting Colors

CIELCh(36, 30.731, 282.721)

Have a look what the booklet for
CIELCh(36, 30.731, 282.721)
contains.

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Color

CIELCh(36, 30.766, 282.376)

Conversions

Conversions Part 1

Format	Color
Hex	3E5485
RGB	62, 84, 133
RGB Percent	24%, 33%, 52%
CMY	0.7578, 0.6715, 0.4794
CMYK	0.53, 0.37, 0.00, 0.48
HSL	221°, 37%, 38%
HSV	221°, 53%, 52%
XYZ	9.3401, 9.0082, 23.3464
YIQ	83.0080, -28.8410, 10.5750

Conversions

Conversions Part 2

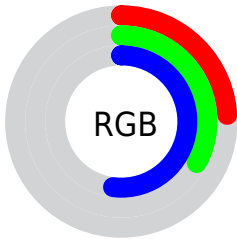
Format	Color
RYB	62, 79, 133
Decimal	4084869
CIELab	36.00, 6.59, -30.05
CIELCh	36, 30.766, 282.376
Yxy	9.0082, 0.2240, 0.2161
Android (android.graphics.Color)	4282274949 (0xFF3E5485)
YUV	83.0080, 24.6461, -18.4240
Hunter-Lab	30.0136, 3.0246, -25.1099

Details

The CIELCh color **36, 30.766, 282.376** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **48, 30.377, 86.160**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 30.688, 282.381**, and **16, 30.453, 281.941** is the 20% darker color. If you saturate the color by 10%, you get **32, 36.929, 285.091**, and if you desaturate by 10%, it is **40, 24.756, 280.003**.

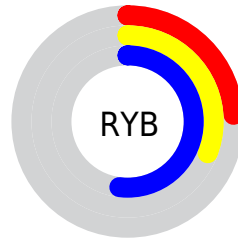
Distribution



Red (24%)

Green (33%)

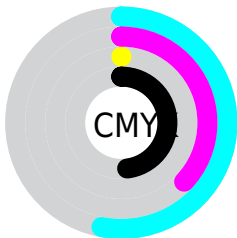
Blue (52%)



Red (24%)

Yellow (31%)

Blue (52%)

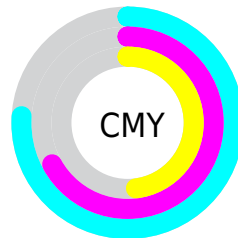


Cyan (53%)

Magenta (37%)

Yellow (0%)

Black (48%)



Cyan (76%)


Magenta (67%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 30.766, 282.376 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, 30.766, 282.376 by changing the saturation by 10% instead.


 36, 30.766,
282.376


 36, 30.766,
282.376

 100, 30.766,
282.376


 26, 30.766,
282.376

 56, 30.766,
282.376


 16, 30.766,
282.376


 66, 30.766,
282.376

 6, 30.766, 282.376

 76, 30.766,
282.376

 0, 30.766, 282.376

 86, 30.766,
282.376

 96, 30.766,
282.376

■ 36, 30.766,
282.376

■ 36, 30.766,
282.376

■ 32, 36.929,
285.091

■ 40, 24.756,
280.003

■ 29, 43.267,
288.131

■ 43, 18.880,
277.950

■ 26, 49.774,
291.427

■ 47, 13.121,
276.187

■ 23, 56.378,
294.833

■ 51, 7.468, 274.676

■ 54, 1.917, 273.430

■ 21, 60.682,
296.855

■ 58, 3.537, 92.161

■ 61, 8.893, 91.201

■ 65, 14.152, 90.342

■ 69, 19.315, 89.582

Harmonies

Complementary

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



36, 30.766, 282.376



48, 30.377, 86.160

Rectangle

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



36, 30.766, 282.376



36, 30.766, 332.376



36, 30.766, 102.376



36, 30.766, 152.376

Sweetspot

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



36, 30.765, 282.377



64, 11.051, 275.088



51, 28.594, 169.158



32, 7.440, 275.342



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, 30.765, 282.377



42, 46.418, 285.670



31, 45.242, 302.487



26, 3.110, 274.092



21, 59.662, 296.782



0, 0.740, 272.934

Inverse Universe

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



36, 32.959, 2.265



43, 48.399, 5.073



53, 39.644, 113.835



26, 3.311, 356.025



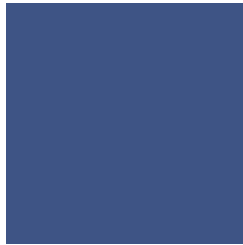
26, 52.510, 18.349



0, 0.780, 355.254

Previews

White Background



This preview shows how the CIELCh color 36, 30.766, 282.376 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, 30.766, 282.376 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, 30.766, 282.376

Background



This preview shows how black text looks on a background with the CIELCh color 36, 30.766, 282.376.



This preview shows how white text looks on a background with the CIELCh color 36, 30.766, 282.376.

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, 30.766, 282.376

Protanopia

36, 30.608, 285.000

Deuteranopia

36, 30.911, 280.938



Tritanopia
36, 14.924, 214.750

Trichromacy



Original Color
36, 30.766, 282.376

Protanomaly
36, 30.688, 283.966

Deuteranomaly
36, 30.862, 281.410

Tritanomaly
36, 17.769, 252.617

Monochromacy



Original Color
36, 30.766, 282.376

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 11.540, 276.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 30.766, 282.376 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(62, 84, 133)` looks like.

```
.text, #text, p{  
    color:rgb(62, 84, 133)  
}
```

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(62, 84, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 84, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 30.766, 282.376 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(62, 84, 133) }
```

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

```
.border{ border-color:rgb(62, 84, 133) }
```

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

Here you see how a box with a 4 pixel rgb(62, 84, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 84, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 84, 133);  
box-shadow:4px 4px 4px 4px rgb(62, 84,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 30.766, 282.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 84, 133) }
```

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

```
.background{ background-color: rgb(62, 84,  
133) }
```

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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