

Converting Colors

CIELCh(36, 28.686, 293.086)

Have a look what the booklet for
CIELCh(36, 28.686, 293.086)
contains.

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Color

CIELCh(36, 28.554, 292.651)

Conversions

Conversions Part 1

Format	Color
Hex	4E517F
RGB	78, 81, 127
RGB Percent	31%, 32%, 50%
CMY	0.6946, 0.6829, 0.5025
CMYK	0.39, 0.36, 0.00, 0.50
HSL	236°, 24%, 40%
HSV	236°, 39%, 50%
XYZ	9.8850, 9.0082, 21.2481
YIQ	85.3470, -16.5540, 13.6700

Conversions

Conversions Part 2

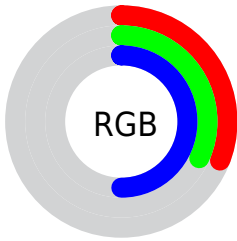
Format	Color
R_{YB}	78, 81, 127
Decimal	5132671
CIE _{Lab}	36.00, 11.00, -26.35
CIE _{LCh}	36, 28.554, 292.651
Yxy	9.0082, 0.2463, 0.2244
Android (android.graphics.Color)	4283322751 (0xFF4E517F)
YUV	85.3470, 20.5349, -6.4433
Hunter-Lab	30.0136, 6.2655, -20.9648

Details

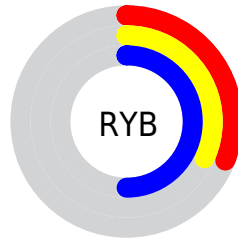
The CIELCh color **36, 28.554, 292.651** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **51, 26.295, 103.805**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 28.655, 292.823**, and **16, 28.595, 292.315** is the 20% darker color. If you saturate the color by 10%, you get **32, 36.664, 294.503**, and if you desaturate by 10%, it is **40, 20.753, 291.046**.

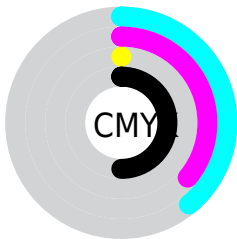
Distribution



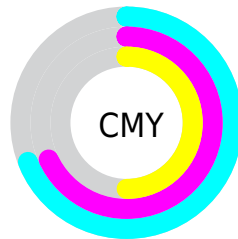
- Red (31%)
- Green (32%)
- Blue (50%)



- Red (31%)
- Yellow (32%)
- Blue (50%)



- Cyan (39%)
- Magenta (36%)
- Yellow (0%)
- Black (50%)





- Cyan (69%)
- Magenta (68%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 28.554, 292.651 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, 28.554, 292.651 by changing the saturation by 10% instead.


 36, 28.554,
292.651


 36, 28.554,
292.651

 100, 28.554,
292.651


 26, 28.554,
292.651

 56, 28.554,
292.651


 16, 28.554,
292.651


 66, 28.554,
292.651

 6, 28.554, 292.651

 76, 28.554,
292.651

 0, 28.554, 292.651

 86, 28.554,
292.651

 96, 28.554,
292.651

■ 36, 28.554,
292.651

■ 36, 28.554,
292.651

■ 32, 36.664,
294.503

■ 40, 20.753,
291.046

■ 27, 45.064,
296.595

■ 45, 13.251,
289.668

■ 23, 53.645,
298.876

■ 49, 6.027, 288.493

■ 19, 62.102,
301.209

■ 54, 0.940, 107.404

■ 58, 7.668, 106.595

■ 16, 69.795,
303.365

■ 62, 14.174,
105.851

■ 14, 75.807,
304.972

■ 67, 20.473,
105.204

■ 14, 76.520,
305.138

■ 71, 26.576,
104.641

■ 75, 32.497,
104.149

Harmonies

Complementary

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



36, 28.554, 292.651



51, 26.295, 103.805

Rectangle

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



36, 28.554, 292.651



36, 28.554, 342.651



36, 28.554, 112.651



36, 28.554, 162.651

Sweetspot

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



36, 28.553, 292.651



61, 10.506, 288.902



50, 17.682, 191.307



31, 7.036, 289.022



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, 28.553, 292.651



43, 43.036, 294.205



37, 31.311, 308.752



24, 3.960, 288.545



14, 76.817, 305.145



0, 0.000, 0.000

Inverse Universe

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



39, 22.189, 18.254



47, 33.629, 19.694



50, 29.444, 124.889



25, 2.957, 14.901



25, 59.320, 35.883



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 36, 28.554, 292.651 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, 28.554, 292.651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

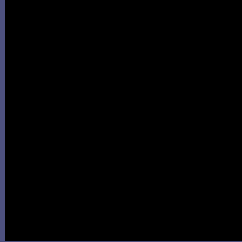
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 28.554, 292.651

Background



This preview shows how black text looks on a background with the CIELCh color 36, 28.554, 292.651.

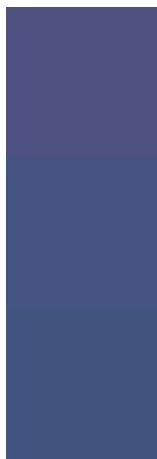


This preview shows how white text looks on a background with the CIELCh color 36, 28.554, 292.651.

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

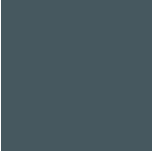
36, 28.554, 292.651

Protanopia

36, 28.696, 285.664

Deuteranopia

36, 26.435, 281.603



Tritanopia
36, 8.126, 231.118

Trichromacy



Original Color
36, 28.554, 292.651

Protanomaly
36, 28.622, 288.141

Deuteranomaly
36, 26.854, 285.269

Tritanomaly
36, 14.213, 274.199

Monochromacy



Original Color
36, 28.554, 292.651

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 10.579, 289.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 28.554, 292.651 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(78, 81, 127)` looks like.

```
.text, #text, p{  
    color:rgb(78, 81, 127)  
}
```

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(78, 81, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 81, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 28.554, 292.651 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(78, 81, 127) }
```

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

```
.border{ border-color:rgb(78, 81, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 81, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 81, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 81, 127);  
box-shadow:4px 4px 4px 4px rgb(78, 81,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 28.554, 292.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 81, 127) }
```

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

```
.background{ background-color: rgb(78, 81,  
127) }
```

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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