

Converting Colors

CIELCh(36, 28.535, 290.656)

Have a look what the booklet for
CIELCh(36, 28.535, 290.656)
contains.

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Color

CIELCh(36, 28.590, 290.709)

Conversions

Conversions Part 1

Format	Color
Hex	4B517F
RGB	75, 81, 127
RGB Percent	29%, 32%, 50%
CMY	0.7041, 0.6807, 0.5001
CMYK	0.41, 0.36, 0.00, 0.50
HSL	233°, 26%, 40%
HSV	233°, 41%, 50%
XYZ	9.7736, 9.0082, 21.4638
YIQ	84.4500, -18.3420, 13.0340

Conversions

Conversions Part 2

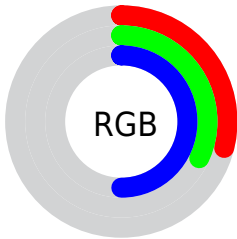
Format	Color
R_{YB}	75, 80, 127
Decimal	4936063
CIE _{Lab}	36.00, 10.11, -26.74
CIE _{LCh}	36, 28.590, 290.709
Yxy	9.0082, 0.2428, 0.2238
Android (android.graphics.Color)	4283126143 (0xFF4B517F)
YUV	84.4500, 20.9772, -8.2876
Hunter-Lab	30.0136, 5.6030, -21.3908

Details

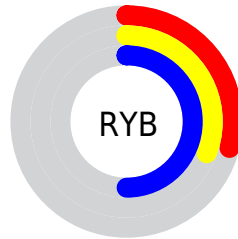
The CIELCh color $[36, 28.590, 290.709]$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $[51, 26.512, 100.828]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 28.668, 290.850]$, and $[16, 28.666, 290.771]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 36.268, 292.688]$, and if you desaturate by 10%, it is $[40, 21.193, 288.992]$.

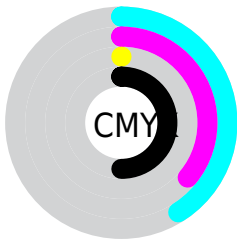
Distribution



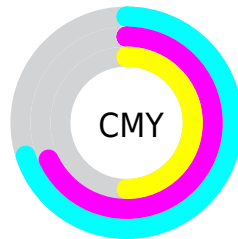
- Red (29%)
- Green (32%)
- Blue (50%)



- Red (29%)
- Yellow (31%)
- Blue (50%)



- Cyan (41%)
- Magenta (36%)
- Yellow (0%)
- Black (50%)



- Cyan (70%)
- Magenta (68%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 28.590, 290.709 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, 28.590, 290.709 by changing the saturation by 10% instead.

■ 36, 28.590,
290.709

■ 36, 28.590,
290.709

■ 100, 28.590,
290.709

■ 26, 28.590,
290.709

■ 56, 28.590,
290.709

■ 16, 28.590,
290.709

■ 66, 28.590,
290.709

■ 6, 28.590, 290.709

■ 76, 28.590,
290.709

■ 0, 28.590, 290.709

■ 86, 28.590,
290.709

■ 96, 28.590,
290.709

■ 36, 28.590,
290.709

■ 36, 28.590,
290.709

■ 32, 36.268,
292.688

■ 40, 21.193,
288.992

■ 28, 44.221,
294.926

■ 45, 14.065,
287.516

■ 24, 52.374,
297.376

■ 49, 7.185, 286.253

■ 20, 60.498,
299.915

■ 53, 0.532, 285.306

■ 57, 5.908, 104.201

■ 17, 68.087,
302.327

■ 61, 12.150,
103.397

■ 15, 73.982,
304.076

■ 66, 18.205,
102.694

■ 70, 24.085,
102.079

■ 74, 29.798,
101.538

Harmonies

Complementary

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



36, 28.590, 290.709



51, 26.512, 100.828

Rectangle

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



36, 28.590, 290.709



36, 28.590, 340.709



36, 28.590, 110.709



36, 28.590, 160.709

Sweetspot

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



36, 28.589, 290.709



62, 9.914, 286.427



50, 19.047, 186.590



32, 6.639, 286.552



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, 28.589, 290.709



42, 43.304, 292.550



36, 33.126, 307.280



25, 3.739, 286.058



15, 73.995, 304.077



0, 0.000, 0.000

Inverse Universe

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



38, 23.571, 14.537



46, 35.744, 16.280



51, 30.822, 122.873



25, 2.981, 10.610



26, 57.729, 33.398



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 36, 28.590, 290.709 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, 28.590, 290.709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

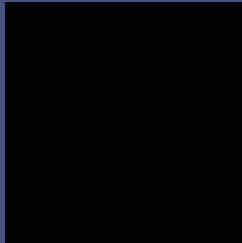
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 28.590, 290.709

Background



This preview shows how black text looks on a background with the CIELCh color 36, 28.590, 290.709.



This preview shows how white text looks on a background with the CIELCh color 36, 28.590, 290.709.

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

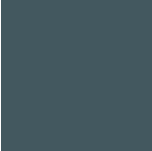
36, 28.590, 290.709

Protanopia

36, 28.734, 285.078

Deuteranopia

36, 27.079, 281.441



Tritanopia
36, 9.052, 227.358

Trichromacy



Original Color
36, 28.590, 290.709

Protanomaly
36, 28.651, 287.529

Deuteranomaly
36, 27.494, 284.983

Tritanomaly
36, 14.076, 267.684

Monochromacy



Original Color
36, 28.590, 290.709

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 9.954, 287.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 28.590, 290.709 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(75, 81, 127)` looks like.

```
.text, #text, p{  
    color:rgb(75, 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(75, 81, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 81, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 28.590, 290.709 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(75, 81, 127) }
```

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

```
.border{ border-color:rgb(75, 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(75, 81, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 81, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 81, 127);  
box-shadow:4px 4px 4px 4px rgb(75, 81,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 28.590, 290.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 81, 127) }
```

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

```
.background{ background-color: rgb(75, 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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