

Converting Colors

CIELCh(28, 36.941, 306.382)

Have a look what the booklet for
CIELCh(28, 36.941, 306.382)
contains.

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Color

CIELCh(28, 36.748, 306.536)

Conversions

Conversions Part 1

Format	Color
Hex	4B3870
RGB	75, 56, 112
RGB Percent	29%, 22%, 44%
CMY	0.7068, 0.7813, 0.5618
CMYK	0.33, 0.50, 0.00, 0.56
HSL	260°, 33%, 33%
HSV	260°, 50%, 44%
XYZ	7.1971, 5.4574, 15.9312
YIQ	68.0650, -6.6520, 21.4440

Conversions

Conversions Part 2

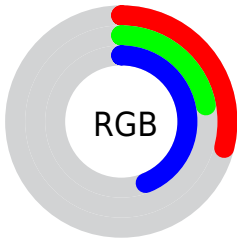
Format	Color
R_YB	75, 56, 112
Decimal	4929648
CIE _{Lab}	28.00, 21.88, -29.53
CIE _{LCh}	28, 36.748, 306.536
Yxy	5.4574, 0.2518, 0.1909
Android (android.graphics.Color)	4283119728 (0xFF4B3870)
YUV	68.0650, 21.6600, 6.0820
Hunter-Lab	23.3610, 14.1108, -24.0805

Details

The CIELCh color **28, 36.748, 306.536** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **44, 33.330, 120.720**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 36.953, 306.887**, and **8, 37.315, 306.797** is the 20% darker color. If you saturate the color by 10%, you get **24, 44.463, 307.319**, and if you desaturate by 10%, it is **32, 29.047, 305.768**.

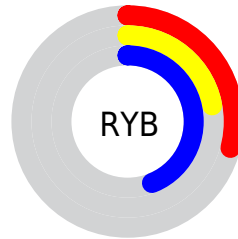
Distribution



Red (29%)

Green (22%)

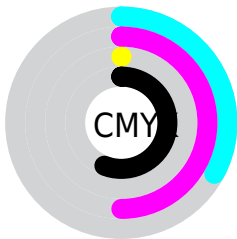
Blue (44%)



Red (29%)

Yellow (22%)

Blue (44%)

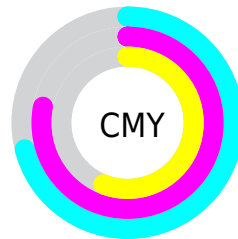


Cyan (33%)

Magenta (50%)

Yellow (0%)

Black (56%)



Cyan (71%)


Magenta (78%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 36.748, 306.536 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 28, 36.748, 306.536 by changing the saturation by 10% instead.

 28, 36.748,
306.536


 28, 36.748,
306.536

 100, 36.748,
306.536


 18, 36.748,
306.536


 48, 36.748,
306.536


 8, 36.748, 306.536

 58, 36.748,
306.536

 0, 36.748, 306.536

 68, 36.748,
306.536

 78, 36.748,
306.536

 88, 36.748,
306.536

 98, 36.748,

306.536

■ 28, 36.748,
306.536

■ 28, 36.748,
306.536

■ 24, 44.463,
307.319

■ 32, 29.047,
305.768

■ 21, 51.969,
308.058

■ 36, 21.485,
305.045

■ 18, 58.884,
308.661

■ 39, 14.120,
304.384

■ 15, 64.654,
308.996

■ 43, 6.978, 303.788

■ 13, 69.805,
309.324

■ 47, 0.065, 302.641

■ 51, 6.622, 122.809

■ 55, 13.093,
122.399

■ 59, 19.357,
122.044

■ 62, 25.425,
121.735

Harmonies

Complementary

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



28, 36.748, 306.536



44, 33.330, 120.720

Rectangle

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



28, 36.748, 306.536



28, 36.748, 356.536



28, 36.748, 126.536



28, 36.748, 176.536

Sweetspot

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



28, 36.747, 306.536



53, 12.982, 304.097



38, 16.622, 242.435



27, 8.950, 304.195



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



28, 36.747, 306.536



32, 55.121, 307.435



31, 38.777, 321.867



21, 3.897, 303.727



14, 73.446, 309.246



35, 126.291, 308.695

Inverse Universe

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



32, 31.880, 339.809



38, 46.128, 340.988



43, 38.229, 136.913



22, 3.611, 336.474



25, 51.958, 346.894



55, 87.787, 348.356

Previews

White Background



This preview shows how the CIE LCh color 28, 36.748, 306.536 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 28, 36.748, 306.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

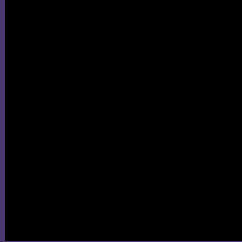
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 36.748, 306.536

Background



This preview shows how black text looks on a background with the CIELCh color 28, 36.748, 306.536.



This preview shows how white text looks on a background with the CIELCh color 28, 36.748, 306.536.

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


28, 36.748, 306.536

Protanopia

28, 36.371, 286.175

Deuteranopia

28, 27.890, 277.574



Tritanopia
28, 3.238, 290.815

Trichromacy



Original Color
28, 36.748, 306.536

Protanomaly
28, 36.200, 292.546

Deuteranomaly
28, 30.474, 288.765

Tritanomaly
28, 15.895, 303.206

Monochromacy



Original Color
28, 36.748, 306.536

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 13.223, 303.204

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 36.748, 306.536 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, 56, 112)` looks like.

```
.text, #text, p{  
    color:rgb(75, 56, 112)  
}
```

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, 56, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 56, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 36.748, 306.536 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, 56, 112) }
```

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

```
.border{ border-color:rgb(75, 56, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 56, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 56, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 56, 112);  
box-shadow:4px 4px 4px 4px rgb(75, 56,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 36.748, 306.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 56, 112) }
```

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

```
.background{ background-color: rgb(75, 56,  
112) }
```

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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