

Converting Colors

CIELCh(28, 45.931, 307.414)

Have a look what the booklet for
CIELCh(28, 45.931, 307.414)
contains.

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Color

CIELCh(28, 46.175, 307.550)

Conversions

Conversions Part 1

Format	Color
Hex	4D347B
RGB	77, 52, 123
RGB Percent	30%, 20%, 48%
CMY	0.6982, 0.7962, 0.5178
CMYK	0.37, 0.58, 0.00, 0.52
HSL	261°, 41%, 34%
HSV	261°, 58%, 48%
XYZ	7.8557, 5.4574, 19.3637
YIQ	67.5690, -7.8910, 27.3810

Conversions

Conversions Part 2

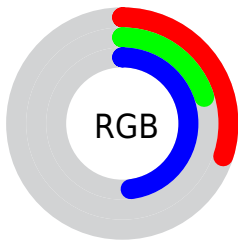
Format	Color
RYB	77, 52, 123
Decimal	5059707
CIELab	28.00, 28.14, -36.61
CIELCh	28, 46.175, 307.550
Yxy	5.4574, 0.2404, 0.1670
Android (android.graphics.Color)	4283249787 (0xFF4D347B)
YUV	67.5690, 27.3275, 8.2710
Hunter-Lab	23.3610, 19.1427, -32.7920

Details

The CIELCh color **28, 46.175, 307.550** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **48, 41.154, 120.931**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 46.479, 307.766**, and **8, 46.081, 307.649** is the 20% darker color. If you saturate the color by 10%, you get **24, 54.323, 308.275**, and if you desaturate by 10%, it is **32, 37.835, 306.789**.

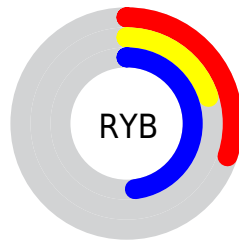
Distribution



Red (30%)

Green (20%)

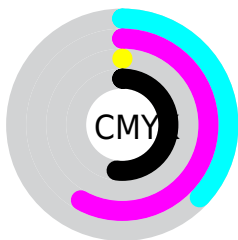
Blue (48%)



Red (30%)

Yellow (20%)

Blue (48%)

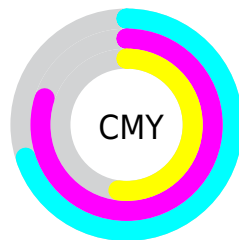


Cyan (37%)

Magenta (58%)

Yellow (0%)

Black (52%)



Cyan (70%)


Magenta (80%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 46.175, 307.550 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, 46.175, 307.550 by changing the saturation by 10% instead.

 28, 46.175,
307.550


 28, 46.175,
307.550

 100, 46.175,
307.550


 18, 46.175,
307.550


 48, 46.175,
307.550


 8, 46.175, 307.550

 58, 46.175,
307.550

 0, 46.175, 307.550

 68, 46.175,
307.550

 78, 46.175,
307.550

 88, 46.175,
307.550

 98, 46.175,

307.550

■ 28, 46.175,
307.550

■ 28, 46.175,
307.550

■ 24, 54.323,
308.275

■ 32, 37.835,
306.789

■ 21, 61.893,
308.874

■ 36, 29.533,
306.045

■ 18, 68.309,
309.224

■ 40, 21.391,
305.347

■ 16, 73.424,
309.346

■ 44, 13.466,
304.709

■ 15, 74.648,
309.424

■ 48, 5.783, 304.134

■ 53, 1.652, 123.664

■ 57, 8.845, 123.195

■ 61, 15.804,
122.803

■ 65, 22.540,
122.462

Harmonies

Complementary

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



28, 46.175, 307.550



48, 41.154, 120.931

Rectangle

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



28, 46.175, 307.550



28, 46.175, 357.550



28, 46.175, 127.550



28, 46.175, 177.550

Sweetspot

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



28, 46.174, 307.550



57, 16.052, 304.690



39, 20.388, 246.865



29, 10.848, 304.787



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



28, 46.174, 307.550



32, 68.805, 308.470



33, 47.851, 322.638



24, 4.201, 304.207



16, 75.531, 309.407



36, 127.965, 308.878

Inverse Universe

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



33, 38.749, 341.307



40, 55.045, 342.879



46, 47.311, 136.721



24, 3.849, 337.054



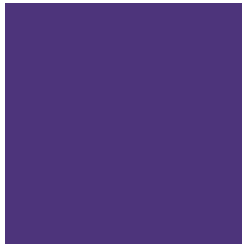
27, 53.102, 347.986



56, 88.492, 349.452

Previews

White Background



This preview shows how the CIELCh color 28, 46.175, 307.550 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 CIELCh color 28, 46.175, 307.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

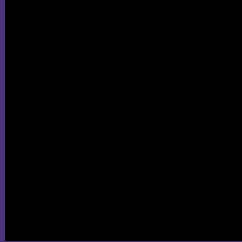
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 46.175, 307.550

Background



This preview shows how black text looks on a background with the CIELCh color 28, 46.175, 307.550.



This preview shows how white text looks on a background with the CIELCh color 28, 46.175, 307.550.

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, 46.175, 307.550

Protanopia
28, 46.682, 286.191

Deuteranopia
28, 34.783, 275.669



Tritanopia
28, 3.238, 290.815

Trichromacy



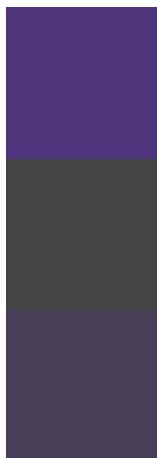
Original Color
28, 46.175, 307.550

Protanomaly
27, 45.970, 290.479

Deuteranomaly
27, 38.478, 286.373

Tritanomaly
28, 19.228, 304.168

Monochromacy



Original Color
28, 46.175, 307.550

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 17.301, 305.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 46.175, 307.550 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(77, 52, 123)` looks like.

```
.text, #text, p{  
    color:rgb(77, 52, 123)  
}
```

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(77, 52, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 52, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 46.175, 307.550 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(77, 52, 123) }
```

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

```
.border{ border-color:rgb(77, 52, 123) }
```

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

Here you see how a box with a 4 pixel rgb(77, 52, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 52, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 52, 123);  
box-shadow:4px 4px 4px 4px rgb(77, 52,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 46.175, 307.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 52, 123) }
```

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

```
.background{ background-color: rgb(77, 52,  
123) }
```

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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