

Converting Colors

CIELCh(28, 48.204, 315.149)

Have a look what the booklet for
CIELCh(28, 48.204, 315.149)
contains.

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Color

CIELCh(28, 48.174, 315.091)

Conversions

Conversions Part 1

Format	Color
Hex	5A2E77
RGB	90, 46, 119
RGB Percent	35%, 18%, 47%
CMY	0.6471, 0.8197, 0.5334
CMYK	0.24, 0.61, 0.00, 0.53
HSL	276°, 44%, 32%
HSV	276°, 61%, 47%
XYZ	8.5203, 5.4574, 18.0523
YIQ	67.4780, 2.7910, 32.0310

Conversions

Conversions Part 2

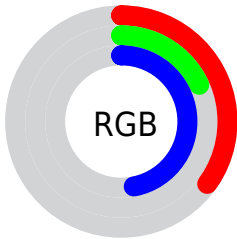
Format	Color
R_{YB}	90, 46, 119
Decimal	5910135
CIE _{Lab}	28.00, 34.12, -34.01
CIE _{LCh}	28, 48.174, 315.091
Yxy	5.4574, 0.2660, 0.1704
Android (android.graphics.Color)	4284100215 (0xFF5A2E77)
YUV	67.4780, 25.4003, 19.7518
Hunter-Lab	23.3610, 24.2210, -29.4637

Details

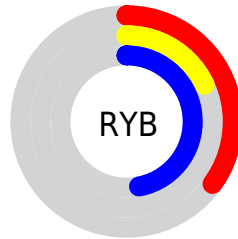
The CIELCh color **28, 48.174, 315.091** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **45, 45.237, 129.899**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 48.463, 314.964**, and **8, 47.989, 314.849** is the 20% darker color. If you saturate the color by 10%, you get **25, 55.211, 315.321**, and if you desaturate by 10%, it is **31, 40.530, 314.744**.

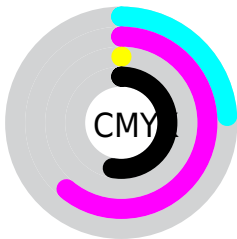
Distribution



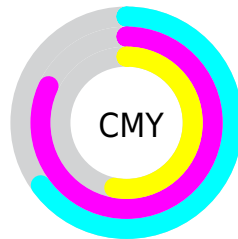
- Red (35%)
- Green (18%)
- Blue (47%)



- Red (35%)
- Yellow (18%)
- Blue (47%)



- Cyan (24%)
- Magenta (61%)
- Yellow (0%)
- Black (53%)





- Cyan (65%)
- Magenta (82%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 48.174, 315.091 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, 48.174, 315.091 by changing the saturation by 10% instead.

 28, 48.174,
315.091


 28, 48.174,
315.091

 100, 48.174,
315.091


 18, 48.174,
315.091


 48, 48.174,
315.091


 8, 48.174, 315.091

 58, 48.174,
315.091

 0, 48.174, 315.091

 68, 48.174,
315.091

 78, 48.174,
315.091

 88, 48.174,
315.091

 98, 48.174,

315.091

■ 28, 48.174,
315.091

■ 28, 48.174,
315.091

■ 25, 55.211,
315.321

■ 31, 40.530,
314.744

■ 22, 61.249,
315.365

■ 35, 32.587,
314.332

■ 20, 65.855,
315.146

■ 38, 24.554,
313.892

■ 19, 69.273,
314.899

■ 42, 16.568,
313.449

■ 46, 8.710, 313.017

■ 50, 1.028, 312.527

■ 53, 6.455, 132.272

■ 57, 13.730,
131.923

■ 61, 20.795,
131.613

Harmonies

Complementary

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



28, 48.174, 315.091



45, 45.237, 129.899

Rectangle

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



28, 48.174, 315.091



28, 48.174, 5.091



28, 48.174, 135.091



28, 48.174, 185.091

Sweetspot

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



28, 48.173, 315.091



56, 17.342, 313.323



32, 28.552, 277.356



28, 12.176, 313.429



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



28, 48.173, 315.091



32, 70.557, 315.368



32, 46.810, 330.643



23, 4.258, 312.918



19, 70.709, 314.868



43, 120.409, 314.280

Inverse Universe

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



30, 35.096, 357.432



36, 50.478, 0.994



44, 47.440, 141.950



23, 3.137, 350.303



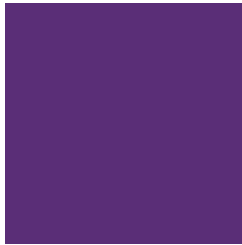
25, 49.133, 9.903



53, 83.754, 13.028

Previews

White Background



This preview shows how the CIELCh color 28, 48.174, 315.091 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, 48.174, 315.091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

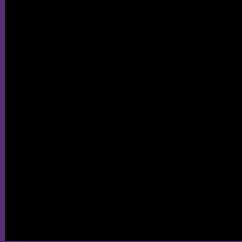
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 48.174, 315.091

Background



This preview shows how black text looks on a background with the CIELCh color 28, 48.174, 315.091.



This preview shows how white text looks on a background with the CIELCh color 28, 48.174, 315.091.

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, 48.174, 315.091

Protanopia

28, 47.357, 285.978

Deuteranopia

28, 31.806, 278.165



Tritanopia
28, 9.674, 1.857

Trichromacy



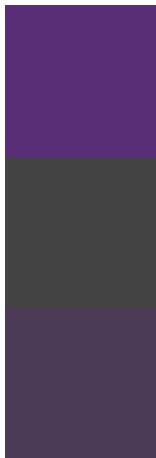
Original Color
28, 48.174, 315.091

Protanomaly
26, 47.409, 292.206

Deuteranomaly
27, 36.961, 293.757

Tritanomaly
28, 21.964, 325.136

Monochromacy



Original Color
28, 48.174, 315.091

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 18.763, 313.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 48.174, 315.091 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(90, 46, 119)` looks like.

```
.text, #text, p{  
    color:rgb(90, 46, 119)  
}
```

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(90, 46, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 46, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 48.174, 315.091 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(90, 46, 119) }
```

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

```
.border{ border-color:rgb(90, 46, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 46, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 46, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 46, 119);  
box-shadow:4px 4px 4px 4px rgb(90, 46,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 48.174, 315.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 46, 119) }
```

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

```
.background{ background-color: rgb(90, 46,  
119) }
```

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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