

Converting Colors

CIELCh(28, 47.755, 335.584)

Have a look what the booklet for
CIELCh(28, 47.755, 335.584)
contains.

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Color

CIELCh(28, 47.813, 335.539)

Conversions

Conversions Part 1

Format	Color
Hex	721F61
RGB	114, 31, 97
RGB Percent	45%, 12%, 38%
CMY	0.5519, 0.8773, 0.6187
CMYK	0.00, 0.73, 0.15, 0.55
HSL	312°, 57%, 29%
HSV	312°, 73%, 45%
XYZ	9.6401, 5.4574, 11.9142
YIQ	63.3410, 28.2820, 38.1220

Conversions

Conversions Part 2

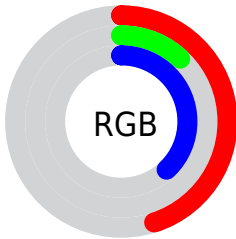
Format	Color
R_{YB}	114, 31, 97
Decimal	7479137
CIE _{Lab}	28.00, 43.52, -19.80
CIE _{LCh}	28, 47.813, 335.539
Yxy	5.4574, 0.3569, 0.2020
Android (android.graphics.Color)	4285669217 (0xFF721F61)
YUV	63.3410, 16.5939, 44.4279
Hunter-Lab	23.3610, 32.7779, -13.8853

Details

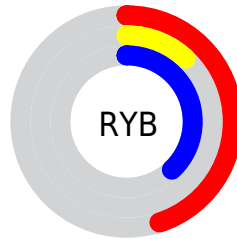
The CIELCh color $[28, 47.813, 335.539]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[42, 49.154, 143.534]$, and the grayscale version is $[27, 0.004, 296.813]$.

A 20% lighter version of the original color is $[48, 47.904, 335.295]$, and $[11, 36.834, 336.374]$ is the 20% darker color. If you saturate the color by 10%, you get $[26, 51.423, 336.357]$, and if you desaturate by 10%, it is $[30, 42.934, 334.782]$.

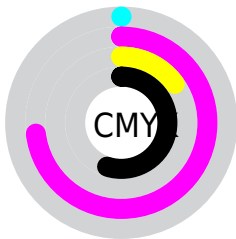
Distribution



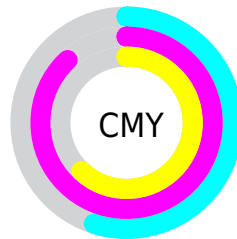
- Red (45%)
- Green (12%)
- Blue (38%)



- Red (45%)
- Yellow (12%)
- Blue (38%)



- Cyan (0%)
- Magenta (73%)
- Yellow (15%)
- Black (55%)



- Cyan (55%)
- Magenta (88%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 47.813, 335.539 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, 47.813, 335.539 by changing the saturation by 10% instead.

 28, 47.813,
335.539


 28, 47.813,
335.539

 100, 47.813,
335.539


 18, 47.813,
335.539


 48, 47.813,
335.539


 8, 47.813, 335.539

 58, 47.813,
335.539

 0, 47.813, 335.539

 68, 47.813,
335.539

 78, 47.813,
335.539

 88, 47.813,
335.539

 98, 47.813,

335.539

■ 28, 47.813,
335.539

■ 28, 47.813,
335.539

■ 26, 51.423,
336.357

■ 30, 42.934,
334.782

■ 25, 53.603,
337.264

■ 32, 37.068,
334.065

■ 25, 54.865,
337.947

■ 35, 30.509,
333.377

■ 38, 23.524,
332.711

■ 41, 16.327,
332.066

■ 44, 9.074, 331.436

■ 47, 1.874, 330.752

■ 51, 5.202, 150.329

■ 54, 12.112,
149.759

Harmonies

Complementary

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



28, 47.813, 335.539



42, 49.154, 143.534

Rectangle

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



28, 47.813, 335.539



28, 47.813, 25.539



28, 47.813, 155.539



28, 47.813, 205.539

Sweetspot

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



28, 47.811, 335.539



52, 19.617, 332.062



19, 55.212, 305.126



26, 13.100, 332.188



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, 47.811, 335.539



34, 63.874, 336.944



26, 38.496, 7.616



22, 3.974, 331.207



26, 56.726, 338.008



56, 96.074, 338.700

Inverse Universe

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



28, 47.811, 335.539



34, 63.874, 336.944



43, 31.714, 167.704



22, 3.974, 331.207



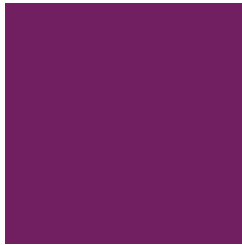
26, 56.726, 338.008



56, 96.074, 338.700

Previews

White Background



This preview shows how the CIELCh color 28, 47.813, 335.539 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, 47.813, 335.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

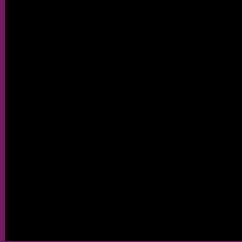
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 47.813, 335.539

Background



This preview shows how black text looks on a background with the CIELCh color 28, 47.813, 335.539.



This preview shows how white text looks on a background with the CIELCh color 28, 47.813, 335.539.

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, 47.813, 335.539

Protanopia

28, 39.485, 286.298

Deuteranopia

29, 16.242, 283.952



Tritanopia
28, 30.648, 22.654

Trichromacy



Original Color
28, 47.813, 335.539

Protanomaly
26, 41.133, 302.262

Deuteranomaly
27, 27.822, 315.837

Tritanomaly
28, 34.086, 0.048

Monochromacy



Original Color
28, 47.813, 335.539

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 20.110, 332.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 47.813, 335.539 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(114, 31, 97)` looks like.

```
.text, #text, p{  
    color:rgb(114, 31, 97)  
}
```

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(114, 31, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 31, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 47.813, 335.539 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(114, 31, 97) }
```

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

```
.border{ border-color:rgb(114, 31, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 31, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 31, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 31, 97);  
box-shadow:4px 4px 4px 4px rgb(114, 31,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 47.813, 335.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 31, 97) }
```

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

```
.background{ background-color: rgb(114, 31,  
97) }
```

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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