

Converting Colors

CIELCh(29, 42.776, 337.775)

Have a look what the booklet for
CIELCh(29, 42.776, 337.775)
contains.

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Color

CIELCh(29, 42.756, 337.814)

Conversions

Conversions Part 1

Format	Color
Hex	72275E
RGB	114, 39, 94
RGB Percent	45%, 15%, 37%
CMY	0.5529, 0.8470, 0.6313
CMYK	0.00, 0.66, 0.18, 0.55
HSL	316°, 49%, 30%
HSV	316°, 66%, 45%
XYZ	9.6873, 5.8380, 11.2080
YIQ	67.6950, 27.0450, 33.0050

Conversions

Conversions Part 2

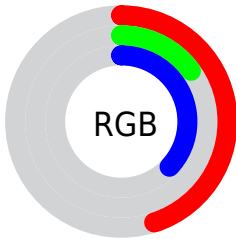
Format	Color
R_{YB}	114, 39, 94
Decimal	7481182
CIE _{Lab}	29.00, 39.59, -16.15
CIE _{LCh}	29, 42.756, 337.814
Yxy	5.8380, 0.3624, 0.2184
Android (android.graphics.Color)	4285671262 (0xFF72275E)
YUV	67.6950, 12.9684, 40.6095
Hunter-Lab	24.1619, 29.2828, -10.5894

Details

The CIELCh color $[29, 42.756, 337.814]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[42, 43.189, 146.574]$, and the grayscale version is $[29, 0.004, 296.813]$.

A 20% lighter version of the original color is $[49, 43.198, 337.439]$, and $[11, 36.131, 338.742]$ is the 20% darker color. If you saturate the color by 10%, you get $[27, 47.074, 338.795]$, and if you desaturate by 10%, it is $[31, 37.383, 336.932]$.

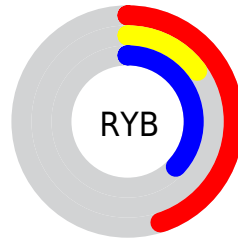
Distribution



Red (45%)

Green (15%)

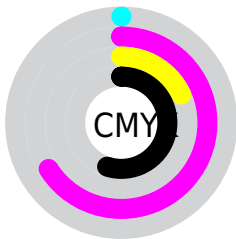
Blue (37%)



Red (45%)

Yellow (15%)

Blue (37%)

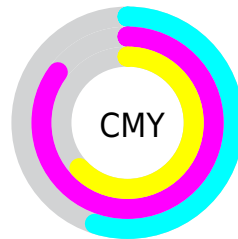


Cyan (0%)

Magenta (66%)

Yellow (18%)

Black (55%)



Cyan (55%)


Magenta (85%)


Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 42.756, 337.814 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 29, 42.756, 337.814 by changing the saturation by 10% instead.

 29, 42.756,
337.814

 29, 42.756,
337.814

 100, 42.756,
337.814

 19, 42.756,
337.814


 49, 42.756,
337.814

 9, 42.756, 337.814

 59, 42.756,
337.814

 0, 42.756, 337.814

 69, 42.756,
337.814

 79, 42.756,
337.814

 89, 42.756,
337.814

 99, 42.756,

337.814

■ 29, 42.756,
337.814

■ 29, 42.756,
337.814

■ 27, 47.074,
338.795

■ 31, 37.383,
336.932

■ 26, 50.084,
339.914

■ 34, 31.258,
336.119

■ 25, 51.815,
341.194

■ 37, 24.656,
335.360

■ 24, 52.499,
341.731

■ 40, 17.800,
334.642

■ 43, 10.860,
333.956

■ 46, 3.953, 333.278

■ 49, 2.846, 152.798

■ 53, 9.491, 152.165

■ 56, 15.958,
151.605

Harmonies

Complementary

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



29, 42.756, 337.814



42, 43.189, 146.574

Rectangle

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



29, 42.756, 337.814



29, 42.756, 27.814



29, 42.756, 157.814



29, 42.756, 207.814

Sweetspot

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



29, 42.754, 337.814



53, 17.071, 334.277



22, 49.669, 305.917



26, 11.579, 334.424



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



29, 42.754, 337.814



35, 58.923, 339.363



28, 35.228, 10.851



22, 3.803, 333.500



26, 54.354, 341.825



55, 91.904, 342.838

Inverse Universe

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



29, 42.754, 337.814



35, 58.923, 339.363



43, 27.707, 173.902



22, 3.803, 333.500



26, 54.354, 341.825



55, 91.904, 342.838

Previews

White Background



This preview shows how the CIELCh color 29, 42.756, 337.814 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 29, 42.756, 337.814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

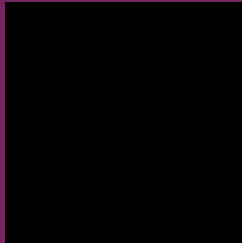
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 42.756, 337.814

Background



This preview shows how black text looks on a background with the CIELCh color 29, 42.756, 337.814.



This preview shows how white text looks on a background with the CIELCh color 29, 42.756, 337.814.

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

29, 42.756, 337.814

Protanopia

30, 31.598, 285.450

Deuteranopia

29, 14.162, 288.110



Tritanopia
29, 28.883, 20.650

Trichromacy



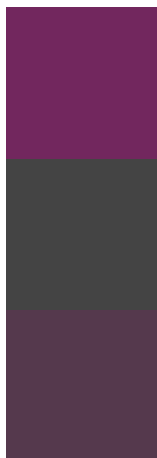
Original Color
29, 42.756, 337.814

Protanomaly
28, 34.131, 305.379

Deuteranomaly
28, 24.272, 319.240

Tritanomaly
29, 31.394, 359.896

Monochromacy



Original Color
29, 42.756, 337.814

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 17.612, 335.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 42.756, 337.814 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, 39, 94)` looks like.

```
.text, #text, p{  
    color:rgb(114, 39, 94)  
}
```

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, 39, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 39, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 42.756, 337.814 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, 39, 94) }
```

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

```
.border{ border-color:rgb(114, 39, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 39, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 39, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 39, 94);  
box-shadow:4px 4px 4px 4px rgb(114, 39,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 42.756, 337.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 39, 94) }
```

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

```
.background{ background-color: rgb(114, 39,  
94) }
```

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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