

Converting Colors

CIELCh(29, 41.945, 330.378)

Have a look what the booklet for
CIELCh(29, 41.945, 330.378)
contains.

CIELCh(29, 41.698, 330.314)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(29, 41.698, 330.314)

Conversions

Conversions Part 1

Format	Color
Hex	6B2C65
RGB	107, 44, 101
RGB Percent	42%, 17%, 40%
CMY	0.5811, 0.8281, 0.6046
CMYK	0.00, 0.59, 0.06, 0.58
HSL	306°, 42%, 30%
HSV	306°, 59%, 42%
XYZ	9.2745, 5.8380, 12.9031
YIQ	69.3350, 19.2510, 31.0830

Conversions

Conversions Part 2

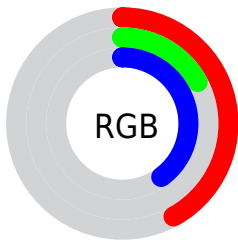
Format	Color
R_{YB}	107, 44, 101
Decimal	7023717
CIE Lab	29.00, 36.23, -20.65
CIE LCh	29, 41.698, 330.314
Yxy	5.8380, 0.3310, 0.2084
Android (android.graphics.Color)	4285213797 (0xFF6B2C65)
YUV	69.3350, 15.6108, 33.0322
Hunter-Lab	24.1619, 26.2336, -14.7491

Details

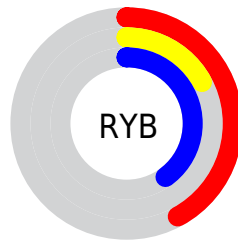
The CIELCh color $29, 41.698, 330.314$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $40, 42.138, 142.189$, and the grayscale version is $29, 0.005, 296.813$.

A 20% lighter version of the original color is $49, 41.826, 330.310$, and $10, 38.429, 330.125$ is the 20% darker color. If you saturate the color by 10%, you get $27, 47.120, 330.810$, and if you desaturate by 10%, it is $31, 35.418, 329.794$.

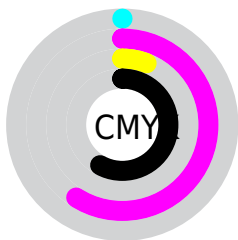
Distribution



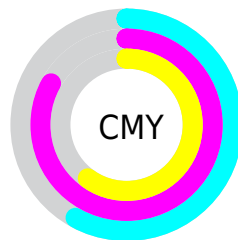
- Red (42%)
- Green (17%)
- Blue (40%)



- Red (42%)
- Yellow (17%)
- Blue (40%)



- Cyan (0%)
- Magenta (59%)
- Yellow (6%)
- Black (58%)





- Cyan (58%)
- Magenta (83%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 41.698, 330.314 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, 41.698, 330.314 by changing the saturation by 10% instead.

 29, 41.698,
330.314


 29, 41.698,
330.314

 100, 41.698,
330.314


 19, 41.698,
330.314


 49, 41.698,
330.314


 9, 41.698, 330.314

 59, 41.698,
330.314

 0, 41.698, 330.314

 69, 41.698,
330.314

 79, 41.698,
330.314

 89, 41.698,
330.314

 99, 41.698,

330.314

■ 29, 41.698,
330.314

■ 29, 41.698,
330.314

■ 27, 47.120,
330.810

■ 31, 35.418,
329.794

■ 26, 51.423,
331.279

■ 34, 28.554,
329.254

■ 24, 54.404,
331.724

■ 36, 21.343,
328.703

■ 24, 56.521,
332.153

■ 39, 13.971,
328.146

■ 24, 56.745,
332.196

■ 42, 6.577, 327.583

■ 45, 0.742, 147.312

■ 49, 7.926, 146.571

■ 52, 14.937,
146.056

■ 55, 21.755,
145.569

Harmonies

Complementary

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



29, 41.698, 330.314



40, 42.138, 142.189

Rectangle

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



29, 41.698, 330.314



29, 41.698, 20.314



29, 41.698, 150.314



29, 41.698, 200.314

Sweetspot

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



29, 41.696, 330.314



51, 16.327, 328.119



22, 42.021, 300.547



25, 11.266, 328.241



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



29, 41.696, 330.314



35, 58.736, 330.997



28, 31.259, 355.454



21, 4.129, 327.583



26, 60.608, 332.242



57, 103.854, 332.504

Inverse Universe

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



29, 41.696, 330.314



35, 58.736, 330.997



41, 28.481, 162.155



21, 4.129, 327.583



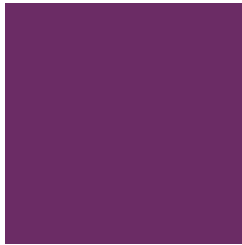
26, 60.608, 332.242



57, 103.854, 332.504

Previews

White Background



This preview shows how the CIE LCh color 29, 41.698, 330.314 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 29, 41.698, 330.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

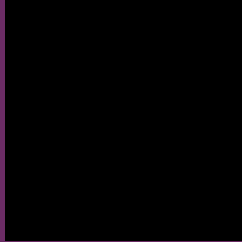
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 41.698, 330.314

Background



This preview shows how black text looks on a background with the CIELCh color 29, 41.698, 330.314.



This preview shows how white text looks on a background with the CIELCh color 29, 41.698, 330.314.

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, 41.698, 330.314

Protanopia
29, 34.830, 286.113

Deuteranopia
29, 18.760, 284.738



Tritanopia
29, 22.428, 17.522

Trichromacy



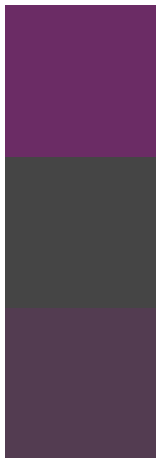
Original Color
29, 41.698, 330.314

Protanomaly
28, 35.651, 300.657

Deuteranomaly
28, 26.181, 309.669

Tritanomaly
29, 26.898, 352.897

Monochromacy



Original Color
29, 41.698, 330.314

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 16.675, 328.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 41.698, 330.314 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(107, 44, 101)` looks like.

```
.text, #text, p{  
    color:rgb(107, 44, 101)  
}
```

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(107, 44, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 44, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 41.698, 330.314 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(107, 44, 101) }
```

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

```
.border{ border-color:rgb(107, 44, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 44, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 44, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 44, 101);  
box-shadow:4px 4px 4px 4px rgb(107, 44,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 41.698, 330.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 44, 101) }
```

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

```
.background{ background-color: rgb(107, 44,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor