

Converting Colors

CIELCh(49, 71.232, 14.276)

Have a look what the booklet for
CIELCh(49, 71.232, 14.276) contains.

CIELCh(49, 71.227, 14.129)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 71.227, 14.129)

Conversions

Conversions Part 1

Format	Color
Hex	DD285B
RGB	221, 40, 91
RGB Percent	87%, 16%, 36%
CMY	0.1341, 0.8441, 0.6437
CMYK	0.00, 0.82, 0.59, 0.13
HSL	343°, 73%, 51%
HSV	343°, 82%, 87%
XYZ	32.3905, 17.5941, 11.5524
YIQ	99.9330, 91.5050, 54.2330

Conversions

Conversions Part 2

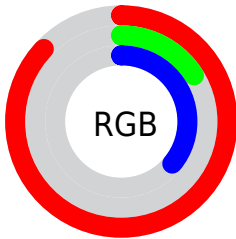
Format	Color
RYB	221, 40, 91
Decimal	14493787
CIELab	49.00, 69.07, 17.39
CIELCh	49, 71.227, 14.129
Yxy	17.5941, 0.5264, 0.2859
Android (android.graphics.Color)	4292683867 (0xFFDD285B)
YUV	99.9330, -4.4040, 106.1758
Hunter-Lab	41.9453, 64.4351, 13.0323

Details

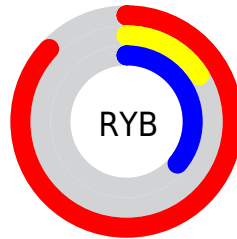
The CIELCh color **49, 71.227, 14.129** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **79, 56.456, 166.712**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 60.878, 9.483**, and **33, 61.680, 21.351** is the 20% darker color. If you saturate the color by 10%, you get **47, 76.269, 19.052**, and if you desaturate by 10%, it is **52, 64.788, 10.130**.

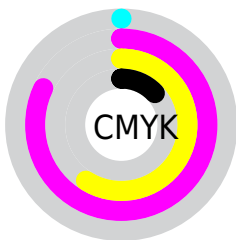
Distribution



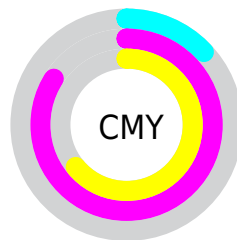
- Red (87%)
- Green (16%)
- Blue (36%)



- Red (87%)
- Yellow (16%)
- Blue (36%)



- Cyan (0%)
- Magenta (82%)
- Yellow (59%)
- Black (13%)



- Cyan (13%)
- Magenta (84%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 71.227, 14.129 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 49, 71.227, 14.129 by changing the saturation by 10% instead.

 49, 71.227, 14.129

 49, 71.227, 14.129

 100, 71.227,
14.129

 39, 71.227, 14.129

 69, 71.227, 14.129

 29, 71.227, 14.129

 79, 71.227, 14.129

 19, 71.227, 14.129

 89, 71.227, 14.129

 9, 71.227, 14.129

 99, 71.227, 14.129

 0, 71.227, 14.129

 49, 71.227, 14.129

 49, 71.227, 14.129

 47, 76.269, 19.052

 52, 64.788, 10.130

 47, 79.707, 23.434

 55, 57.014, 6.963

■ 59, 48.233, 4.464

■ 64, 38.872, 2.468

■ 70, 29.309, 0.842

■ 75, 19.824,
359.487

■ 81, 10.598,
358.323

■ 87, 1.727, 357.087

■ 93, 6.746, 176.603

Harmonies

Complementary

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



49, 71.227, 14.129



79, 56.456, 166.712

Rectangle

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



49, 71.227, 14.129



49, 71.227, 64.129



49, 71.227, 194.129



49, 71.227, 244.129

Sweetspot

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



49, 71.223, 14.131



84, 25.471, 359.897



46, 99.238, 318.660



42, 17.478, 0.376



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 71.223, 14.131



54, 88.191, 22.835



53, 73.861, 43.478



43, 4.961, 358.044



36, 66.144, 22.408



5, 23.857, 7.855

Inverse Universe

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



49, 71.223, 14.131



54, 88.191, 22.835



69, 37.557, 232.845



43, 4.961, 358.044



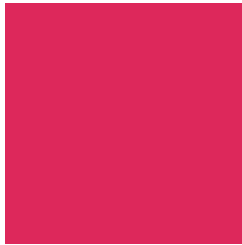
36, 66.144, 22.408



5, 23.857, 7.855

Previews

White Background



This preview shows how the CIELCh color 49, 71.227, 14.129 looks on a white background.

Color Contrast Check

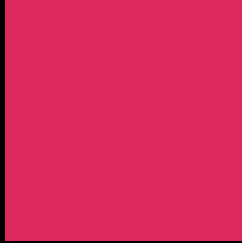
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 71.227, 14.129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

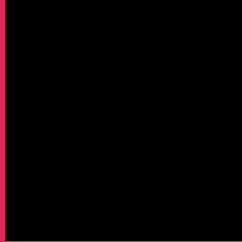
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 71.227, 14.129

Background



This preview shows how black text looks on a background with the CIELCh color 49, 71.227, 14.129.

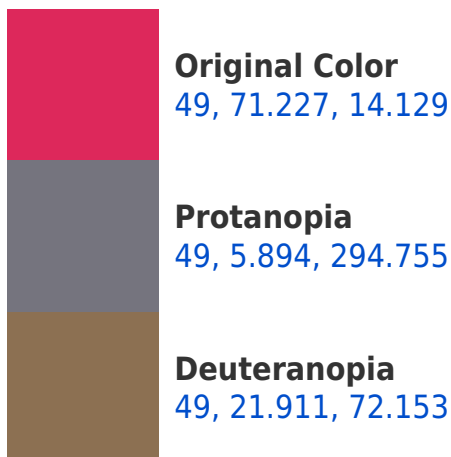


This preview shows how white text looks on a background with the CIELCh color 49, 71.227, 14.129.

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](#).

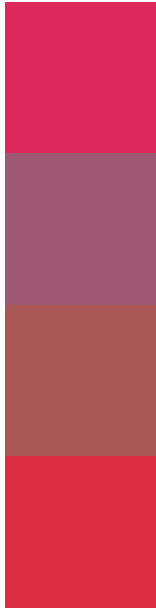
Dichromacy





Tritanopia
49, 75.880, 32.643

Trichromacy



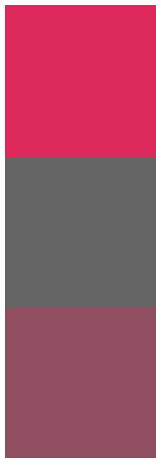
Original Color
49, 71.227, 14.129

Protanomaly
46, 30.918, 356.056

Deuteranomaly
47, 37.547, 25.658

Tritanomaly
49, 73.630, 26.537

Monochromacy



Original Color
49, 71.227, 14.129

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 30.033, 2.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 71.227, 14.129 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(221, 40, 91)` looks like.

```
.text, #text, p{  
    color:rgb(221, 40, 91)  
}
```

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(221, 40, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 40, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 71.227, 14.129 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(221, 40, 91) }
```

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

```
.border{ border-color:rgb(221, 40, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 40, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 40, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 40, 91);  
box-shadow:4px 4px 4px 4px rgb(221, 40,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 71.227, 14.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 40, 91) }
```

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

```
.background{ background-color: rgb(221, 40,  
91) }
```

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