

Converting Colors

CIELCh(49, 69.304, 17.664)

Have a look what the booklet for
CIELCh(49, 69.304, 17.664) contains.

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Color

CIELCh(49, 69.310, 17.518)

Conversions

Conversions Part 1

Format	Color
Hex	DA2F55
RGB	218, 47, 85
RGB Percent	85%, 18%, 33%
CMY	0.1451, 0.8156, 0.6667
CMYK	0.00, 0.78, 0.61, 0.15
HSL	347°, 70%, 52%
HSV	347°, 78%, 85%
XYZ	31.5693, 17.5941, 10.3263
YIQ	102.4610, 89.7180, 48.0700

Conversions

Conversions Part 2

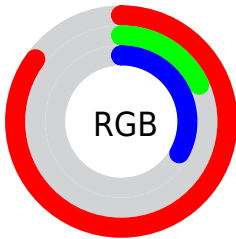
Format	Color
R_{YB}	218, 47, 85
Decimal	14298965
CIE _{Lab}	49.00, 66.10, 20.86
CIE _{LCh}	49, 69.310, 17.518
Yxy	17.5941, 0.5307, 0.2957
Android (android.graphics.Color)	4292489045 (0xFFDA2F55)
YUV	102.4610, -8.6083, 101.3277
Hunter-Lab	41.9453, 60.9405, 14.7654

Details

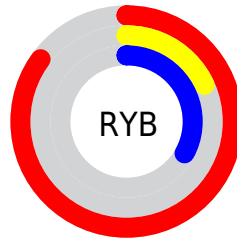
The CIELCh color **49, 69.310, 17.518** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **78, 51.111, 172.379**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 59.491, 14.352**, and **32, 61.614, 23.569** is the 20% darker color. If you saturate the color by 10%, you get **47, 75.631, 22.241**, and if you desaturate by 10%, it is **52, 61.804, 13.668**.

Distribution



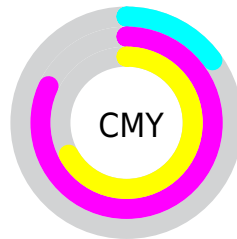
- Red (85%)
- Green (18%)
- Blue (33%)



- Red (85%)
- Yellow (18%)
- Blue (33%)



- Cyan (0%)
- Magenta (78%)
- Yellow (61%)
- Black (15%)



- Cyan (15%)
- Magenta (82%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 69.310, 17.518 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, 69.310, 17.518 by changing the saturation by 10% instead.

 49, 69.310, 17.518

 49, 69.310, 17.518

 100, 69.310,
17.518

 39, 69.310, 17.518

 69, 69.310, 17.518

 29, 69.310, 17.518

 79, 69.310, 17.518

 19, 69.310, 17.518

 89, 69.310, 17.518

 9, 69.310, 17.518

 99, 69.310, 17.518

 0, 69.310, 17.518

 49, 69.310, 17.518

 49, 69.310, 17.518

 47, 75.631, 22.241

 52, 61.804, 13.668

 46, 80.984, 27.600

 56, 53.283, 10.613

46, 81.828, 28.405

60, 44.094, 8.201

65, 34.619, 6.278

71, 25.173, 4.716

76, 15.968, 3.418

82, 7.130, 2.294

88, 1.284, 181.860

94, 9.260, 180.692

Harmonies

Complementary

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



49, 69.310, 17.518



78, 51.111, 172.379

Rectangle

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



49, 69.310, 17.518



49, 69.310, 67.518



49, 69.310, 197.518



49, 69.310, 247.518

Sweetspot

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



49, 69.307, 17.520



84, 23.918, 4.141



48, 95.407, 320.286



43, 16.555, 4.628



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, 69.307, 17.520



54, 89.050, 25.654



55, 67.755, 46.388



43, 4.834, 2.403



36, 68.458, 27.457



5, 23.763, 10.667

Inverse Universe

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



49, 69.307, 17.520



54, 89.050, 25.654



66, 37.298, 240.832



43, 4.834, 2.403



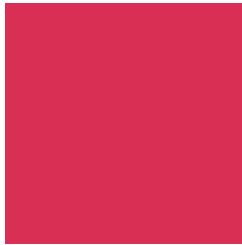
36, 68.458, 27.457



5, 23.763, 10.667

Previews

White Background



This preview shows how the CIELCh color 49, 69.310, 17.518 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, 69.310, 17.518 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, 69.310, 17.518

Background



This preview shows how black text looks on a background with the CIELCh color 49, 69.310, 17.518.



This preview shows how white text looks on a background with the CIELCh color 49, 69.310, 17.518.

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

49, 69.310, 17.518

Protanopia

49, 0.992, 55.172

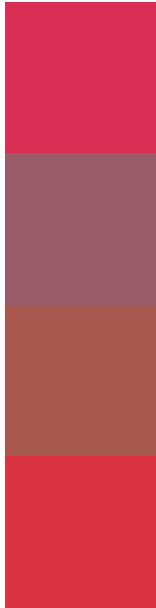
Deuteranopia

49, 24.663, 74.558



Tritanopia
49, 73.273, 31.876

Trichromacy



Original Color
49, 69.310, 17.518

Protanomaly
47, 27.714, 7.682

Deuteranomaly
47, 37.826, 31.368

Tritanomaly
49, 71.271, 26.780

Monochromacy



Original Color
49, 69.310, 17.518

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 27.800, 6.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 69.310, 17.518 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(218, 47, 85)` looks like.

```
.text, #text, p{  
  color:rgb(218, 47, 85)  
}
```

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(218, 47, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 47, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 69.310, 17.518 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(218, 47, 85) }
```

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

```
.border{ border-color:rgb(218, 47, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 47, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 47, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 47, 85);  
box-shadow:4px 4px 4px 4px rgb(218, 47,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 69.310, 17.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 47, 85) }
```

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

```
.background{ background-color: rgb(218, 47,  
85) }
```

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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