

Converting Colors

CIELCh(49, 75.215, 18.909)

Have a look what the booklet for
CIELCh(49, 75.215, 18.909) contains.

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Color

CIELCh(49, 75.172, 18.781)

Conversions

Conversions Part 1

Format	Color
Hex	E12050
RGB	225, 32, 80
RGB Percent	88%, 13%, 31%
CMY	0.1180, 0.8750, 0.6866
CMYK	0.00, 0.86, 0.64, 0.12
HSL	345°, 76%, 50%
HSV	345°, 86%, 88%
XYZ	32.9776, 17.5941, 9.2332
YIQ	95.1790, 99.6200, 55.8440

Conversions

Conversions Part 2

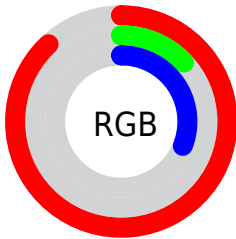
Format	Color
R_{YB}	225, 32, 80
Decimal	14753872
CIE Lab	49.00, 71.17, 24.20
CIE LCh	49, 75.172, 18.781
Yxy	17.5941, 0.5514, 0.2942
Android (android.graphics.Color)	4292943952 (0xFFE12050)
YUV	95.1790, -7.4832, 113.8530
Hunter-Lab	41.9453, 66.9332, 16.3105

Details

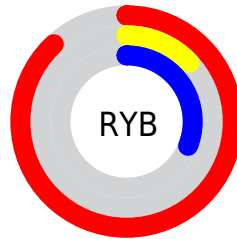
The CIELCh color **49, 75.172, 18.781** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **80, 56.540, 168.706**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 62.681, 14.432**, and **34, 64.939, 27.127** is the 20% darker color. If you saturate the color by 10%, you get **48, 80.369, 24.092**, and if you desaturate by 10%, it is **51, 68.763, 14.315**.

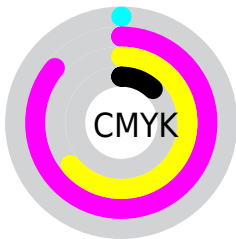
Distribution



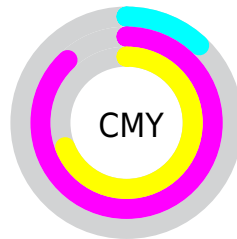
- Red (88%)
- Green (13%)
- Blue (31%)



- Red (88%)
- Yellow (13%)
- Blue (31%)



- Cyan (0%)
- Magenta (86%)
- Yellow (64%)
- Black (12%)



- Cyan (12%)
- Magenta (88%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 75.172, 18.781 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, 75.172, 18.781 by changing the saturation by 10% instead.

 49, 75.172, 18.781

 49, 75.172, 18.781

 100, 75.172,
18.781

 39, 75.172, 18.781

 69, 75.172, 18.781

 29, 75.172, 18.781

 79, 75.172, 18.781

 19, 75.172, 18.781

 89, 75.172, 18.781

 9, 75.172, 18.781

 99, 75.172, 18.781

 0, 75.172, 18.781

 49, 75.172, 18.781

 49, 75.172, 18.781

 48, 80.369, 24.092

 51, 68.763, 14.315

 47, 82.435, 26.351

 55, 61.061, 10.729

■ 59, 52.298, 7.900

■ 63, 42.869, 5.660

■ 69, 33.174, 3.861

■ 74, 23.521, 2.385

■ 80, 14.118, 1.142

■ 86, 5.082, 0.030

■ 92, 3.534, 179.386

Harmonies

Complementary

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



49, 75.172, 18.781



80, 56.540, 168.706

Rectangle

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



49, 75.172, 18.781



49, 75.172, 68.781



49, 75.172, 198.781



49, 75.172, 248.781

Sweetspot

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



49, 75.168, 18.783



83, 26.231, 2.432



47, 102.770, 319.592



42, 17.894, 2.919



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, 75.168, 18.783



54, 90.937, 26.784



54, 77.485, 45.484



44, 4.981, 0.430



37, 68.123, 25.335



6, 25.296, 10.283

Inverse Universe

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



49, 75.168, 18.783



54, 90.937, 26.784



67, 39.418, 240.638



44, 4.981, 0.430



37, 68.123, 25.335



6, 25.296, 10.283

Previews

White Background



This preview shows how the CIELCh color 49, 75.172, 18.781 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 CIE LCh color 49, 75.172, 18.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

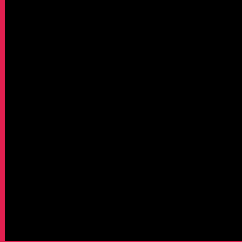
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 75.172, 18.781

Background



This preview shows how black text looks on a background with the CIELCh color 49, 75.172, 18.781.



This preview shows how white text looks on a background with the CIELCh color 49, 75.172, 18.781.

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, 75.172, 18.781

Protanopia

49, 2.127, 74.724

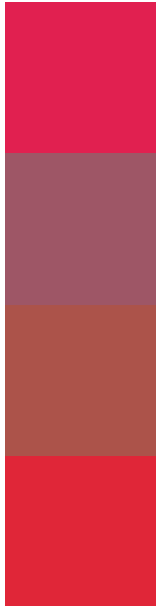
Deuteranopia

49, 28.447, 77.285



Tritanopia
49, 81.566, 34.515

Trichromacy



Original Color
49, 75.172, 18.781

Protanomaly
45, 31.820, 7.399

Deuteranomaly
46, 42.061, 32.175

Tritanomaly
49, 78.563, 29.176

Monochromacy



Original Color
49, 75.172, 18.781

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 31.775, 5.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 75.172, 18.781 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(225, 32, 80)` looks like.

```
.text, #text, p{  
    color:rgb(225, 32, 80)  
}
```

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(225, 32, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 32, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 75.172, 18.781 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(225, 32, 80) }
```

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

```
.border{ border-color:rgb(225, 32, 80) }
```

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

Here you see how a box with a 4 pixel rgb(225, 32, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 32, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 32, 80);  
box-shadow:4px 4px 4px 4px rgb(225, 32,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 75.172, 18.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 32, 80) }
```

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

```
.background{ background-color: rgb(225, 32,  
80) }
```

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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