

Converting Colors

CIELCh(49, 77.176, 29.951)

Have a look what the booklet for
CIELCh(49, 77.176, 29.951) contains.

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Color

CIELCh(49, 77.007, 29.759)

Conversions

Conversions Part 1

Format	Color
Hex	DE2B38
RGB	222, 43, 56
RGB Percent	87%, 17%, 22%
CMY	0.1286, 0.8304, 0.7798
CMYK	0.00, 0.81, 0.75, 0.13
HSL	356°, 73%, 52%
HSV	356°, 81%, 87%
XYZ	31.7765, 17.5941, 5.4810
YIQ	98.0030, 102.5110, 41.9910

Conversions

Conversions Part 2

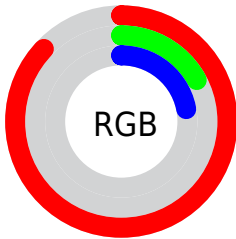
Format	Color
R _{YB}	222, 43, 56
Decimal	14560056
CIE Lab	49.00, 66.85, 38.22
CIE LCh	49, 77.007, 29.759
Yxy	17.5941, 0.5793, 0.3208
Android (android.graphics.Color)	4292750136 (0xFFDE2B38)
YUV	98.0030, -20.7075, 108.7454
Hunter-Lab	41.9453, 61.8221, 21.6143

Details

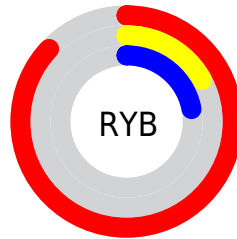
The CIELCh color **49, 77.007, 29.759** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **80, 45.455, 187.548**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 64.139, 28.981**, and **32, 69.370, 35.877** is the 20% darker color. If you saturate the color by 10%, you get **47, 85.231, 34.066**, and if you desaturate by 10%, it is **52, 67.670, 25.847**.

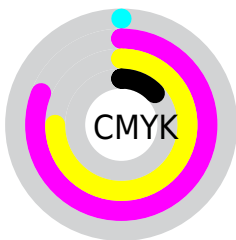
Distribution



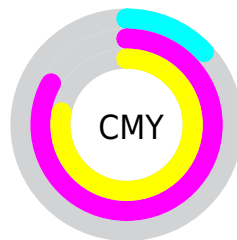
- Red (87%)
- Green (17%)
- Blue (22%)



- Red (87%)
- Yellow (17%)
- Blue (22%)



- Cyan (0%)
- Magenta (81%)
- Yellow (75%)
- Black (13%)



- Cyan (13%)
- Magenta (83%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 77.007, 29.759 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, 77.007, 29.759 by changing the saturation by 10% instead.

 49, 77.007, 29.759

 49, 77.007, 29.759

 100, 77.007,
29.759

 39, 77.007, 29.759

 69, 77.007, 29.759

 29, 77.007, 29.759

 79, 77.007, 29.759

 19, 77.007, 29.759

 89, 77.007, 29.759

 9, 77.007, 29.759

 99, 77.007, 29.759

 0, 77.007, 29.759

 49, 77.007, 29.759

 49, 77.007, 29.759

 47, 85.231, 34.066

 52, 67.670, 25.847

 46, 91.317, 37.618

 55, 57.671, 22.612

60, 47.369, 20.050

65, 37.105, 18.048

70, 27.148, 16.480

76, 17.671, 15.236

82, 8.758, 14.216

88, 0.429, 12.115

94, 7.333, 192.897

Harmonies

Complementary

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



49, 77.007, 29.759



80, 45.455, 187.548

Rectangle

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



49, 77.007, 29.759



49, 77.007, 79.759



49, 77.007, 209.759



49, 77.007, 259.759

Sweetspot

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



49, 77.004, 29.761



84, 23.380, 15.659



52, 97.855, 325.181



42, 16.250, 16.109



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, 77.004, 29.761



53, 99.860, 36.951



60, 66.621, 57.564



44, 4.742, 14.113



36, 76.139, 37.019



6, 25.388, 17.908

Inverse Universe

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



49, 77.004, 29.761



53, 99.860, 36.951



59, 46.211, 265.840



44, 4.742, 14.113



36, 76.139, 37.019



6, 25.388, 17.908

Previews

White Background



This preview shows how the CIELCh color 49, 77.007, 29.759 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, 77.007, 29.759 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, 77.007, 29.759

Background



This preview shows how black text looks on a background with the CIELCh color 49, 77.007, 29.759.



This preview shows how white text looks on a background with the CIELCh color 49, 77.007, 29.759.

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, 77.007, 29.759

Protanopia

49, 21.932, 95.399

Deuteranopia

49, 41.865, 80.979



Tritanopia
49, 79.519, 33.948

Trichromacy



Original Color
49, 77.007, 29.759

Protanomaly
46, 36.484, 40.885

Deuteranomaly
47, 50.346, 48.905

Tritanomaly
49, 78.622, 32.442

Monochromacy



Original Color
49, 77.007, 29.759

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 29.297, 18.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 77.007, 29.759 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(222, 43, 56)` looks like.

```
.text, #text, p{  
    color:rgb(222, 43, 56)  
}
```

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(222, 43, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 43, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 77.007, 29.759 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(222, 43, 56) }
```

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

```
.border{ border-color:rgb(222, 43, 56) }
```

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

Here you see how a box with a 4 pixel rgb(222, 43, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 43, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 43, 56);  
box-shadow:4px 4px 4px 4px rgb(222, 43,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 77.007, 29.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 43, 56) }
```

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

```
.background{ background-color: rgb(222, 43,  
56) }
```

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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