

Converting Colors

CIELCh(49, 85.725, 27.313)

Have a look what the booklet for
CIELCh(49, 85.725, 27.313) contains.

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Color

CIELCh(49, 85.434, 27.538)

Conversions

Conversions Part 1

Format	Color
Hex	E90037
RGB	233, 0, 55
RGB Percent	91%, 0%, 22%
CMY	0.0864, 1.0000, 0.7844
CMYK	0.00, 1.00, 0.76, 0.09
HSL	346°, 100%, 46%
HSV	346°, 100%, 91%
XYZ	34.2856, 17.5941, 5.2016
YIQ	75.9370, 121.2130, 66.5010

Conversions

Conversions Part 2

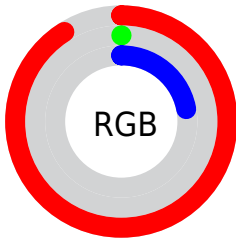
Format	Color
RYB	233, 0, 55
Decimal	15269943
CIELab	49.00, 75.75, 39.50
CIELCh	49, 85.434, 27.538
Yxy	17.5941, 0.6006, 0.3082
Android (android.graphics.Color)	4293460023 (0xFFE90037)
YUV	75.9370, -10.3219, 137.7443
Hunter-Lab	41.9453, 72.4996, 22.0092

Details

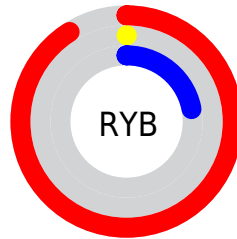
The CIELCh color **49, 85.434, 27.538** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **83, 61.079, 167.031**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 68.361, 24.841**, and **35, 73.234, 36.633** is the 20% darker color. If you saturate the color by 10%, you get **49, 85.430, 27.541**, and if you desaturate by 10%, it is **50, 80.118, 22.093**.

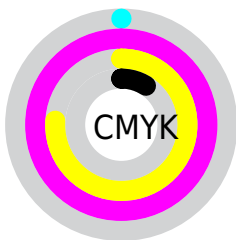
Distribution



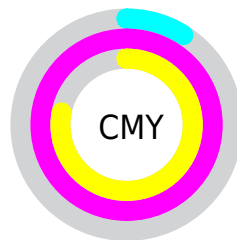
- Red (91%)
- Green (0%)
- Blue (22%)



- Red (91%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (9%)



- Cyan (9%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 85.434, 27.538 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, 85.434, 27.538 by changing the saturation by 10% instead.

 49, 85.434, 27.538

 49, 85.434, 27.538

 100, 85.434,
27.538

 39, 85.434, 27.538

 69, 85.434, 27.538

 29, 85.434, 27.538

 79, 85.434, 27.538

 19, 85.434, 27.538

 89, 85.434, 27.538

 9, 85.434, 27.538

 99, 85.434, 27.538

 0, 85.434, 27.538

 49, 85.434, 27.538

 49, 85.434, 27.538

 49, 85.430, 27.541

 50, 80.118, 22.093

 52, 73.894, 17.208

■ 55, 66.375, 13.209

■ 59, 57.674, 10.037

■ 63, 48.146, 7.536

■ 68, 38.210, 5.544

■ 74, 28.223, 3.931

■ 80, 18.438, 2.593

■ 86, 9.007, 1.443

Harmonies

Complementary

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



49, 85.434, 27.538



83, 61.079, 167.031

Rectangle

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



49, 85.434, 27.538



49, 85.434, 77.538



49, 85.434, 207.538



49, 85.434, 257.538

Sweetspot

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



49, 85.430, 27.541



80, 30.376, 3.952



46, 110.926, 318.867



40, 20.873, 4.599



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, 85.430, 27.541



54, 91.691, 27.844



52, 91.083, 44.825



46, 5.139, 1.385



38, 70.189, 26.538



7, 27.849, 12.778

Inverse Universe

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



49, 85.430, 27.541



54, 91.691, 27.844



67, 42.909, 247.010



46, 5.139, 1.385



38, 70.189, 26.538



7, 27.849, 12.778

Previews

White Background



This preview shows how the CIELCh color 49, 85.434, 27.538 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, 85.434, 27.538 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, 85.434, 27.538

Background



This preview shows how black text looks on a background with the CIELCh color 49, 85.434, 27.538.



This preview shows how white text looks on a background with the CIELCh color 49, 85.434, 27.538.

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, 85.434, 27.538

Protanopia

50, 20.784, 94.992

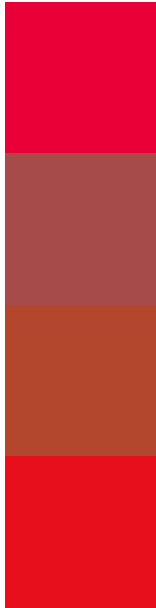
Deuteranopia

50, 43.828, 81.156



Tritanopia
49, 93.696, 39.313

Trichromacy



Original Color
49, 85.434, 27.538

Protanomaly
44, 42.125, 27.513

Deuteranomaly
45, 56.265, 40.960

Tritanomaly
49, 91.077, 36.044

Monochromacy



Original Color
49, 85.434, 27.538

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 38.864, 10.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 85.434, 27.538 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(233, 0, 55)` looks like.

```
.text, #text, p{  
    color:rgb(233, 0, 55)  
}
```

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(233, 0, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 85.434, 27.538 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(233, 0, 55) }
```

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

```
.border{ border-color:rgb(233, 0, 55) }
```

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

Here you see how a box with a 4 pixel rgb(233, 0, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 55);  
box-shadow:4px 4px 4px 4px rgb(233, 0, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 85.434, 27.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 0, 55) }
```

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

```
.background{ background-color: rgb(233, 0,  
55) }
```

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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