

Converting Colors

CIELCh(48, 85.339, 28.803)

Have a look what the booklet for
CIELCh(48, 85.339, 28.803) contains.

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Color

CIELCh(48, 85.255, 28.881)

Conversions

Conversions Part 1

Format	Color
Hex	E50032
RGB	229, 0, 50
RGB Percent	90%, 0%, 20%
CMY	0.1035, 1.0000, 0.8050
CMYK	0.00, 1.00, 0.78, 0.10
HSL	347°, 100%, 45%
HSV	347°, 100%, 90%
XYZ	32.7448, 16.7945, 4.5037
YIQ	74.1710, 120.4340, 64.0980

Conversions

Conversions Part 2

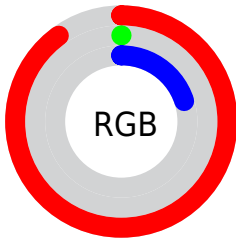
Format	Color
R_YB	229, 0, 50
Decimal	15007794
CIE Lab	48.00, 74.65, 41.18
CIE LCh	48, 85.255, 28.881
Yxy	16.7945, 0.6059, 0.3108
Android (android.graphics.Color)	4293197874 (0xFFE50032)
YUV	74.1710, -11.9163, 135.7850
Hunter-Lab	40.9810, 70.9089, 22.1709

Details

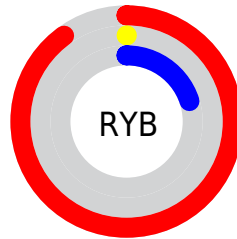
The CIELCh color **48, 85.255, 28.881** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **81, 58.766, 168.816**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 69.553, 26.710**, and **34, 73.219, 38.044** is the 20% darker color. If you saturate the color by 10%, you get **48, 85.184, 28.935**, and if you desaturate by 10%, it is **49, 79.633, 23.561**.

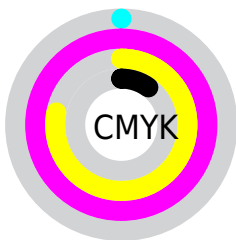
Distribution



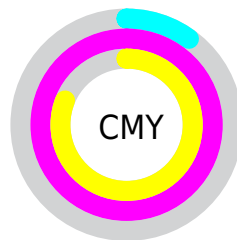
- Red (90%)
- Green (0%)
- Blue (20%)



- Red (90%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (10%)



- Cyan (10%)
- Magenta (100%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 85.255, 28.881 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 48, 85.255, 28.881 by changing the saturation by 10% instead.

 48, 85.255, 28.881

 48, 85.255, 28.881

 100, 85.255,
28.881

 38, 85.255, 28.881

 68, 85.255, 28.881

 28, 85.255, 28.881

 78, 85.255, 28.881

 18, 85.255, 28.881

 88, 85.255, 28.881

 8, 85.255, 28.881

 98, 85.255, 28.881

 0, 85.255, 28.881

 48, 85.255, 28.881

 48, 85.255, 28.881

 48, 85.184, 28.935

 49, 79.633, 23.561

 51, 73.203, 18.676

■ 54, 65.561, 14.650

■ 58, 56.827, 11.448

■ 62, 47.341, 8.923

■ 67, 37.506, 6.917

■ 73, 27.661, 5.296

■ 79, 18.047, 3.957

■ 85, 8.805, 2.811

Harmonies

Complementary

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



48, 85.255, 28.881



81, 58.766, 168.816

Rectangle

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



48, 85.255, 28.881



48, 85.255, 78.881



48, 85.255, 208.881



48, 85.255, 258.881

Sweetspot

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



48, 85.184, 28.935



80, 30.235, 5.323



45, 109.044, 319.444



40, 20.789, 5.973



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 85.184, 28.935



54, 92.807, 29.298



52, 89.024, 45.512



45, 5.010, 2.752



37, 70.220, 27.952



7, 26.654, 12.646

Inverse Universe

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



48, 85.184, 28.935



54, 92.807, 29.298



65, 43.179, 250.381



45, 5.010, 2.752



37, 70.220, 27.952



7, 26.654, 12.646

Previews

White Background



This preview shows how the CIELCh color 48, 85.255, 28.881 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 48, 85.255, 28.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 85.255, 28.881

Background



This preview shows how black text looks on a background with the CIELCh color 48, 85.255, 28.881.



This preview shows how white text looks on a background with the CIELCh color 48, 85.255, 28.881.

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

48, 85.255, 28.881

Protanopia

49, 23.636, 95.914

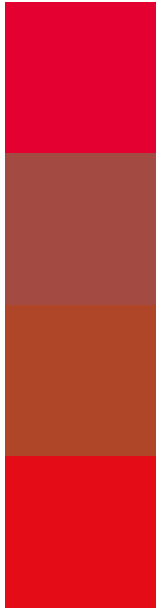
Deuteranopia

49, 45.349, 82.157



Tritanopia
48, 93.355, 39.821

Trichromacy



Original Color
48, 85.255, 28.881

Protanomaly
43, 42.620, 31.947

Deuteranomaly
44, 56.695, 43.370

Tritanomaly
48, 91.026, 36.930

Monochromacy



Original Color
48, 85.255, 28.881

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 38.143, 11.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 85.255, 28.881 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(229, 0, 50)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 50)  
}
```

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(229, 0, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 85.255, 28.881 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(229, 0, 50) }
```

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

```
.border{ border-color:rgb(229, 0, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 0, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 85.255, 28.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 50) }
```

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

```
.background{ background-color: rgb(229, 0,  
50) }
```

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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