

Converting Colors

CIELCh(48, 72.819, 27.674)

Have a look what the booklet for
CIELCh(48, 72.819, 27.674) contains.

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Color

CIELCh(48, 72.635, 27.739)

Conversions

Conversions Part 1

Format	Color
Hex	D72E3D
RGB	215, 46, 61
RGB Percent	84%, 18%, 24%
CMY	0.1560, 0.8185, 0.7601
CMYK	0.00, 0.79, 0.72, 0.16
HSL	355°, 68%, 51%
HSV	355°, 79%, 84%
XYZ	29.9253, 16.7945, 6.1022
YIQ	98.2410, 95.9090, 40.4930

Conversions

Conversions Part 2

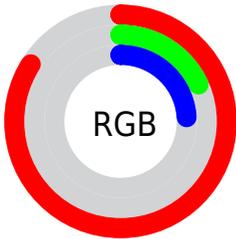
Format	Color
RYB	215, 46, 61
Decimal	14102077
CIELab	48.00, 64.29, 33.81
CIElCh	48, 72.635, 27.739
Yxy	16.7945, 0.5665, 0.3179
Android (android.graphics.Color)	4292292157 (0xFFD72E3D)
YUV	98.2410, -18.3598, 102.3976
Hunter-Lab	40.9810, 58.6280, 19.8582

Details

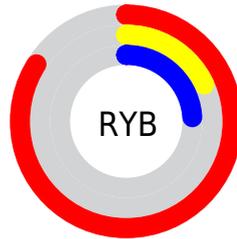
The CIELCh color **48, 72.635, 27.739** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **78, 44.474, 185.874**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 63.002, 26.217**, and **31, 65.805, 33.695** is the 20% darker color. If you saturate the color by 10%, you get **46, 80.757, 32.114**, and if you desaturate by 10%, it is **51, 63.568, 23.924**.

Distribution



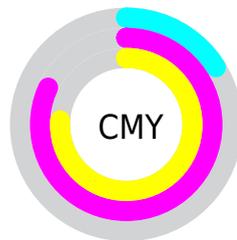
- Red (84%)
- Green (18%)
- Blue (24%)



- Red (84%)
- Yellow (18%)
- Blue (24%)



- Cyan (0%)
- Magenta (79%)
- Yellow (72%)
- Black (16%)



- Cyan (16%)
- Magenta (82%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 72.635, 27.739 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, 72.635, 27.739 by changing the saturation by 10% instead.

 48, 72.635, 27.739  48, 72.635, 27.739

 100, 72.635,
27.739  38, 72.635, 27.739

 68, 72.635, 27.739  28, 72.635, 27.739

 78, 72.635, 27.739  18, 72.635, 27.739

 88, 72.635, 27.739  8, 72.635, 27.739

 98, 72.635, 27.739  0, 72.635, 27.739

 48, 72.635, 27.739  48, 72.635, 27.739

 46, 80.757, 32.114  51, 63.568, 23.924

 45, 87.441, 36.354  55, 53.901, 20.822

45, 88.316, 36.856

59, 43.969, 18.376

64, 34.096, 16.461

70, 24.529, 14.950

75, 15.425, 13.738

81, 6.855, 12.723

87, 1.164, 192.497

93, 8.652, 191.408

Harmonies

Complementary

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



48, 72.635, 27.739



78, 44.474, 185.874

Rectangle

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



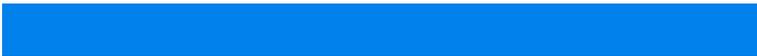
48, 72.635, 27.739



48, 72.635, 77.739



48, 72.635, 207.739



48, 72.635, 257.739

Sweetspot

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



48, 72.632, 27.741



84, 23.388, 14.402



51, 94.192, 324.618



42, 16.249, 14.860



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, 72.632, 27.741



54, 96.865, 34.942



59, 63.482, 56.448



42, 4.572, 12.812



35, 73.747, 36.178



5, 21.965, 15.836

Inverse Universe

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



48, 72.632, 27.741



54, 96.865, 34.942



59, 42.993, 262.562



42, 4.572, 12.812



35, 73.747, 36.178



5, 21.965, 15.836

Previews

White Background



This preview shows how the CIELCh color 48, 72.635, 27.739 looks on a white background.

Color Contrast Check

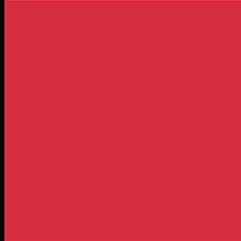
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.635, 27.739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

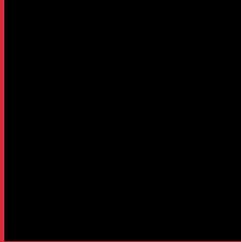
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 72.635, 27.739

Background



This preview shows how black text looks on a background with the CIELCh color 48, 72.635, 27.739.



This preview shows how white text looks on a background with the CIELCh color 48, 72.635, 27.739.

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

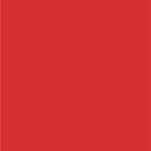
48, 72.635, 27.739

Protanopia

48, 17.860, 96.278

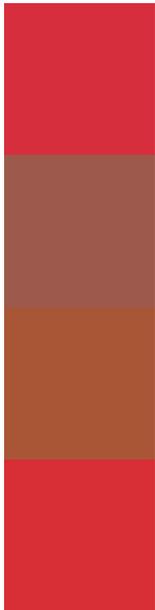
Deuteranopia

48, 37.285, 80.202



Tritanopia
48, 75.240, 32.791

Trichromacy



Original Color
48, 72.635, 27.739

Protanomaly
46, 32.790, 37.587

Deuteranomaly
46, 45.708, 46.516

Tritanomaly
48, 74.383, 31.113

Monochromacy



Original Color
48, 72.635, 27.739

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 27.846, 16.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 72.635, 27.739 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(215, 46, 61)` looks like.

```
.text, #text, p{  
    color:rgb(215, 46, 61)  
}
```

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(215, 46, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 46, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 72.635, 27.739 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(215, 46, 61) }
```

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

```
.border{ border-color:rgb(215, 46, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 46, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 46, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 46, 61);  
box-shadow:4px 4px 4px 4px rgb(215, 46,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 72.635, 27.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 46, 61) }
```

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

```
.background{ background-color: rgb(215, 46,  
61) }
```

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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