

Converting Colors

CIELCh(48, 72.739, 16.383)

Have a look what the booklet for
CIELCh(48, 72.739, 16.383) contains.

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Color

CIELCh(48, 72.637, 16.605)

Conversions

Conversions Part 1

Format	Color
Hex	DB2153
RGB	219, 33, 83
RGB Percent	86%, 13%, 33%
CMY	0.1408, 0.8700, 0.6743
CMYK	0.00, 0.85, 0.62, 0.14
HSL	344°, 74%, 49%
HSV	344°, 85%, 86%
XYZ	31.3516, 16.7945, 9.7861
YIQ	94.3140, 94.8060, 54.9820

Conversions

Conversions Part 2

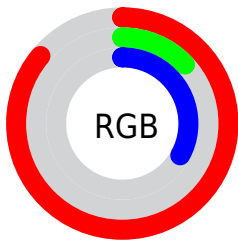
Format	Color
RYB	219, 33, 83
Decimal	14360915
CIELab	48.00, 69.61, 20.76
CIElCh	48, 72.637, 16.605
Yxy	16.7945, 0.5412, 0.2899
Android (android.graphics.Color)	4292550995 (0xFFDB2153)
YUV	94.3140, -5.5778, 109.3496
Hunter-Lab	40.9810, 64.8403, 14.5286

Details

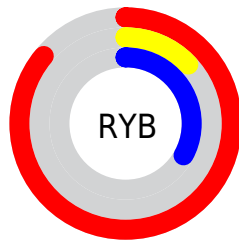
The CIELCh color **48, 72.637, 16.605** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **78, 56.304, 167.280**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 62.545, 12.926**, and **32, 62.050, 24.659** is the 20% darker color. If you saturate the color by 10%, you get **47, 77.523, 21.803**, and if you desaturate by 10%, it is **50, 66.472, 12.301**.

Distribution



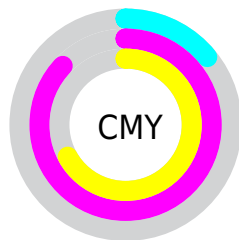
- Red (86%)
- Green (13%)
- Blue (33%)



- Red (86%)
- Yellow (13%)
- Blue (33%)



- Cyan (0%)
- Magenta (85%)
- Yellow (62%)
- Black (14%)



- Cyan (14%)
- Magenta (87%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 72.637, 16.605 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, 72.637, 16.605 by changing the saturation by 10% instead.

 48, 72.637, 16.605

 48, 72.637, 16.605

 100, 72.637,
16.605

 38, 72.637, 16.605

 68, 72.637, 16.605

 28, 72.637, 16.605

 78, 72.637, 16.605

 18, 72.637, 16.605

 88, 72.637, 16.605

 8, 72.637, 16.605

 98, 72.637, 16.605

 0, 72.637, 16.605

 48, 72.637, 16.605

 48, 72.637, 16.605

 47, 77.523, 21.803

 50, 66.472, 12.301

 46, 79.841, 24.604

 54, 58.982, 8.867

■ 58, 50.426, 6.160

■ 62, 41.210, 4.009

■ 67, 31.726, 2.273

■ 73, 22.274, 0.839

■ 79, 13.055,
359.623

■ 85, 4.182, 358.511

■ 91, 4.293, 177.865

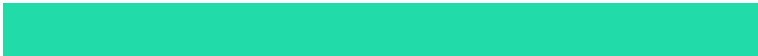
Harmonies

Complementary

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



48, 72.637, 16.605



78, 56.304, 167.280

Rectangle

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



48, 72.637, 16.605



48, 72.637, 66.605



48, 72.637, 196.605



48, 72.637, 246.605

Sweetspot

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



48, 72.633, 16.607



84, 25.342, 0.884



45, 100.474, 318.581



42, 17.395, 1.366



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, 72.633, 16.607



54, 89.864, 25.140



52, 76.211, 43.657



43, 4.930, 359.023



36, 66.626, 23.611



5, 23.829, 8.535

Inverse Universe

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



48, 72.633, 16.607



54, 89.864, 25.140



68, 37.810, 233.799



43, 4.930, 359.023



36, 66.626, 23.611



5, 23.829, 8.535

Previews

White Background



This preview shows how the CIELCh color 48, 72.637, 16.605 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, 72.637, 16.605 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, 72.637, 16.605

Background



This preview shows how black text looks on a background with the CIELCh color 48, 72.637, 16.605.

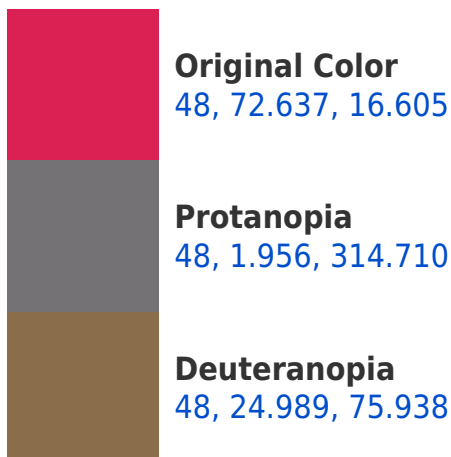


This preview shows how white text looks on a background with the CIELCh color 48, 72.637, 16.605.

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](#).

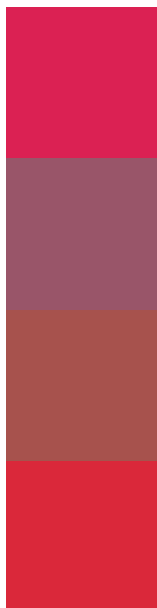
Dichromacy





Tritanopia
48, 78.439, 33.948

Trichromacy



Original Color
48, 72.637, 16.605

Protanomaly
45, 30.636, 1.835

Deuteranomaly
45, 39.470, 29.221

Tritanomaly
48, 75.541, 28.203

Monochromacy



Original Color
48, 72.637, 16.605

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 30.581, 4.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 72.637, 16.605 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(219, 33, 83)` looks like.

```
.text, #text, p{  
    color:rgb(219, 33, 83)  
}
```

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(219, 33, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 33, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 72.637, 16.605 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(219, 33, 83) }
```

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

```
.border{ border-color:rgb(219, 33, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 33, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 33, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 33, 83);  
box-shadow:4px 4px 4px 4px rgb(219, 33,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 72.637, 16.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 33, 83) }
```

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

```
.background{ background-color: rgb(219, 33,  
83) }
```

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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