

Converting Colors

CIELCh(48, 78.369, 353.652)

Have a look what the booklet for
CIELCh(48, 78.369, 353.652)
contains.

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Color

CIELCh(48, 77.863, 353.691)

Conversions

Conversions Part 1

Format	Color
Hex	DC0083
RGB	220, 0, 131
RGB Percent	86%, 0%, 51%
CMY	0.1382, 1.0000, 0.4870
CMYK	0.00, 1.00, 0.40, 0.14
HSL	324°, 100%, 43%
HSV	324°, 100%, 86%
XYZ	33.5188, 16.7945, 22.8786
YIQ	80.7140, 89.0690, 87.3810

Conversions

Conversions Part 2

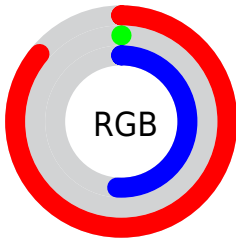
Format	Color
R_{YB}	220, 0, 131
Decimal	14418051
CIE Lab	48.00, 77.39, -8.56
CIE LCh	48, 77.863, 353.691
Yxy	16.7945, 0.4580, 0.2295
Android (android.graphics.Color)	4292608131 (0xFFDC0083)
YUV	80.7140, 24.7910, 122.1538
Hunter-Lab	40.9810, 74.2799, -4.4132

Details

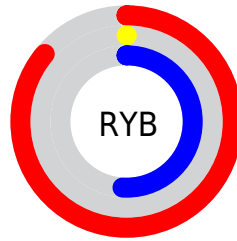
The CIELCh color **48, 77.863, 353.691** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **77, 87.723, 144.576**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 71.805, 347.379**, and **34, 59.779, 360.000** is the 20% darker color. If you saturate the color by 10%, you get **48, 77.793, 353.711**, and if you desaturate by 10%, it is **49, 77.070, 350.763**.

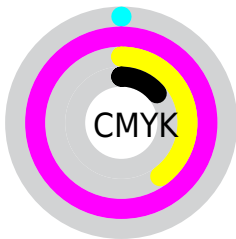
Distribution



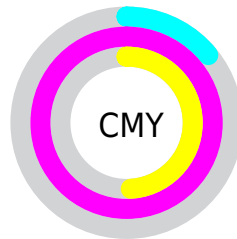
- Red (86%)
- Green (0%)
- Blue (51%)



- Red (86%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (14%)



- Cyan (14%)
- Magenta (100%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 77.863, 353.691 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, 77.863, 353.691 by changing the saturation by 10% instead.

 48, 77.863,
353.691


 48, 77.863,
353.691


 100, 77.863,
353.691


 38, 77.863,
353.691

 68, 77.863,
353.691


 28, 77.863,
353.691

 78, 77.863,
353.691

 18, 77.863,
353.691

 88, 77.863,
353.691

 8, 77.863, 353.691

 98, 77.863,
353.691

 0, 77.863, 353.691

 48, 77.863,

 48, 77.863,

353.691

353.691

■ 48, 77.793,
353.711

■ 49, 77.070,
350.763

■ 51, 74.288,
348.349

■ 54, 69.084,
346.413

■ 57, 61.757,
344.830

■ 61, 52.821,
343.502

■ 66, 42.823,
342.356

■ 71, 32.238,
341.343

■ 76, 21.423,
340.429

■ 82, 10.627,
339.582

Harmonies

Complementary

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



48, 77.863, 353.691



77, 87.723, 144.576

Rectangle

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



48, 77.863, 353.691



48, 77.863, 43.691



48, 77.863, 173.691



48, 77.863, 223.691

Sweetspot

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



48, 77.793, 353.711



81, 36.371, 341.367



32, 114.057, 309.746



41, 24.797, 341.785



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, 77.793, 353.711



56, 86.915, 354.010



46, 89.167, 36.352



43, 6.019, 339.535



38, 65.364, 353.149



6, 26.266, 347.768

Inverse Universe

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



48, 77.793, 353.711



56, 86.915, 354.010



79, 49.262, 182.127



43, 6.019, 339.535



38, 65.364, 353.149



6, 26.266, 347.768

Previews

White Background



This preview shows how the CIELCh color 48, 77.863, 353.691 looks on a white background.

Color Contrast Check

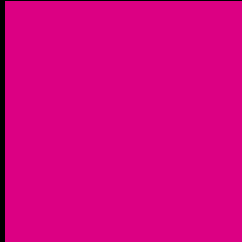
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.863, 353.691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

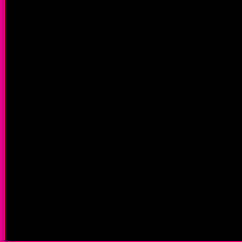
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 77.863, 353.691

Background



This preview shows how black text looks on a background with the CIELCh color 48, 77.863, 353.691.



This preview shows how white text looks on a background with the CIELCh color 48, 77.863, 353.691.

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, 77.863, 353.691

Protanopia

49, 43.636, 285.677

Deuteranopia

49, 7.472, 335.253



Tritanopia
48, 73.415, 32.110

Trichromacy



Original Color
48, 77.863, 353.691



Protanomaly
42, 58.733, 316.734



Deuteranomaly
43, 45.015, 343.007



Tritanomaly
48, 72.206, 17.189

Monochromacy



Original Color
48, 77.863, 353.691



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 40.969, 344.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 77.863, 353.691 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(220, 0, 131)` looks like.

```
.text, #text, p{  
    color:rgb(220, 0, 131)  
}
```

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(220, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 0, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 77.863, 353.691 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(220, 0, 131) }
```

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

```
.border{ border-color:rgb(220, 0, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 0, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(220, 0,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 77.863, 353.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 0, 131) }
```

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

```
.background{ background-color: rgb(220, 0,  
131) }
```

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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