

Converting Colors

CIELCh(50, 62.741, 2.552)

Have a look what the booklet for
CIELCh(50, 62.741, 2.552) contains.

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Color

CIELCh(50, 62.849, 2.537)

Conversions

Conversions Part 1

Format	Color
Hex	D43C75
RGB	212, 60, 117
RGB Percent	83%, 24%, 46%
CMY	0.1700, 0.7661, 0.5423
CMYK	0.00, 0.72, 0.45, 0.17
HSL	337°, 64%, 53%
HSV	337°, 72%, 83%
XYZ	31.8442, 18.4187, 18.6196
YIQ	111.9460, 72.2950, 49.9510

Conversions

Conversions Part 2

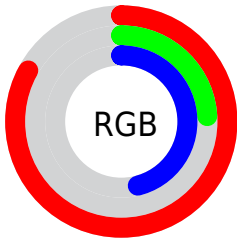
Format	Color
R_{YB}	212, 60, 117
Decimal	13909109
CIE _{Lab}	50.00, 62.79, 2.78
CIE _{LCh}	50, 62.849, 2.537
Yxy	18.4187, 0.4623, 0.2674
Android (android.graphics.Color)	4292099189 (0xFFD43C75)
YUV	111.9460, 2.4916, 87.7474
Hunter-Lab	42.9170, 57.3417, 4.3188

Details

The CIELCh color **50, 62.849, 2.537** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **76, 55.282, 162.005**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 57.161, 358.324**, and **32, 57.390, 5.634** is the 20% darker color. If you saturate the color by 10%, you get **47, 68.271, 6.033**, and if you desaturate by 10%, it is **53, 55.821, 359.787**.

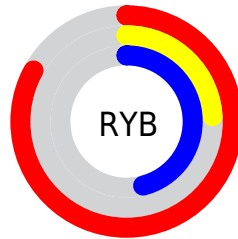
Distribution



Red (83%)

Green (24%)

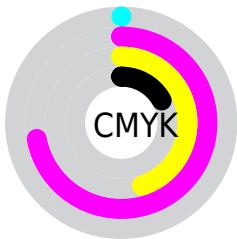
Blue (46%)



Red (83%)

Yellow (24%)

Blue (46%)

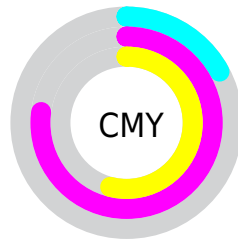


Cyan (0%)

Magenta (72%)

Yellow (45%)

Black (17%)



Cyan (17%)


Magenta (77%)








Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 62.849, 2.537 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 50, 62.849, 2.537 by changing the saturation by 10% instead.

 50, 62.849, 2.537	 50, 62.849, 2.537
 100, 62.849, 2.537	 40, 62.849, 2.537
 70, 62.849, 2.537	 30, 62.849, 2.537
 80, 62.849, 2.537	 20, 62.849, 2.537
 90, 62.849, 2.537	 10, 62.849, 2.537
	 0, 62.849, 2.537

 50, 62.849, 2.537	 50, 62.849, 2.537
 47, 68.271, 6.033	 53, 55.821, 359.787
 46, 71.988, 10.428	
 45, 74.194, 14.590	 57, 47.580, 357.600

62, 38.582,
355.828

67, 29.231,
354.358

73, 19.831,
353.108

78, 10.581,
352.013

84, 1.601, 350.820

90, 7.051, 170.340

95, 15.353,
169.547

Harmonies

Complementary

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



50, 62.849, 2.537



76, 55.282, 162.005

Rectangle

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



50, 62.849, 2.537



50, 62.849, 52.537



50, 62.849, 182.537



50, 62.849, 232.537

Sweetspot

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



50, 62.846, 2.539



86, 23.276, 353.157



45, 88.087, 315.770



44, 15.693, 353.483



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 62.846, 2.539



56, 80.991, 8.157



51, 64.565, 36.546



42, 5.113, 351.766



36, 63.100, 13.704



5, 22.592, 2.121

Inverse Universe

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



50, 62.846, 2.539



56, 80.991, 8.157



72, 35.412, 212.995



42, 5.113, 351.766



36, 63.100, 13.704



5, 22.592, 2.121

Previews

White Background



This preview shows how the CIELCh color 50, 62.849, 2.537 looks on a white background.

Color Contrast Check

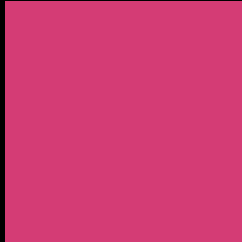
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 62.849, 2.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

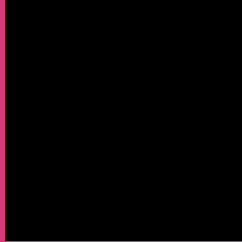
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 62.849, 2.537

Background



This preview shows how black text looks on a background with the CIELCh color 50, 62.849, 2.537.



This preview shows how white text looks on a background with the CIELCh color 50, 62.849, 2.537.

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

50, 62.849, 2.537

Protanopia

50, 19.392, 285.331

Deuteranopia

50, 9.177, 42.509



Tritanopia
50, 61.769, 27.417

Trichromacy



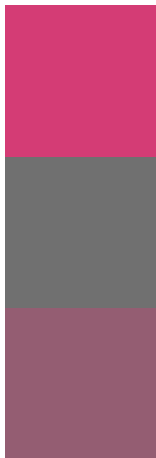
Original Color
50, 62.849, 2.537

Protanomaly
48, 31.288, 331.832

Deuteranomaly
48, 29.910, 4.634

Tritanomaly
50, 60.752, 18.007

Monochromacy



Original Color
50, 62.849, 2.537

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 25.656, 354.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 62.849, 2.537 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(212, 60, 117)` looks like.

```
.text, #text, p{  
    color:rgb(212, 60, 117)  
}
```

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(212, 60, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 60, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 62.849, 2.537 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(212, 60, 117) }
```

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

```
.border{ border-color:rgb(212, 60, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 60, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 60, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 60, 117);  
box-shadow:4px 4px 4px 4px rgb(212, 60,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 62.849, 2.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 60, 117) }
```

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

```
.background{ background-color: rgb(212, 60,  
117) }
```

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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