

Converting Colors

CIELCh(52, 52.151, 4.020)

Have a look what the booklet for
CIELCh(52, 52.151, 4.020) contains.

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Color

CIELCh(52, 52.369, 3.752)

Conversions

Conversions Part 1

Format	Color
Hex	CC5178
RGB	204, 81, 120
RGB Percent	80%, 32%, 47%
CMY	0.1991, 0.6815, 0.5287
CMYK	0.00, 0.60, 0.41, 0.20
HSL	341°, 55%, 56%
HSV	341°, 60%, 80%
XYZ	31.3217, 20.1443, 20.0661
YIQ	122.2230, 60.7890, 38.2050

Conversions

Conversions Part 2

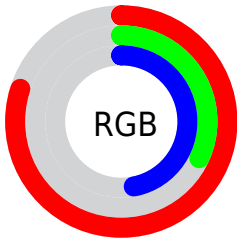
Format	Color
R_{YB}	204, 81, 120
Decimal	13390200
CIE _{Lab}	52.00, 52.26, 3.43
CIE _{LCh}	52, 52.369, 3.752
Yxy	20.1443, 0.4379, 0.2816
Android (android.graphics.Color)	4291580280 (0xFFCC5178)
YUV	122.2230, -1.0959, 71.7184
Hunter-Lab	44.8824, 46.0239, 4.9103

Details

The CIELCh color **52, 52.369, 3.752** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **75, 44.497, 167.903**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 48.893, 1.929**, and **32, 52.171, 3.503** is the 20% darker color. If you saturate the color by 10%, you get **49, 59.688, 6.633**, and if you desaturate by 10%, it is **56, 44.090, 1.471**.

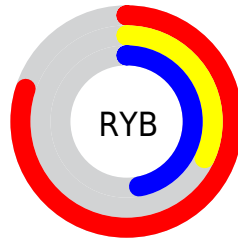
Distribution



Red (80%)

Green (32%)

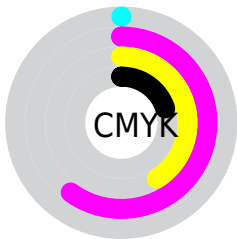
Blue (47%)



Red (80%)

Yellow (32%)

Blue (47%)

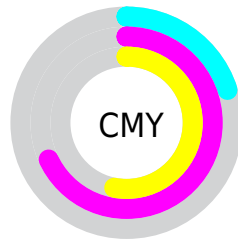


Cyan (0%)

Magenta (60%)

Yellow (41%)

Black (20%)



Cyan (20%)

Magenta (68%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 52.369, 3.752 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 52, 52.369, 3.752 by changing the saturation by 10% instead.

 52, 52.369, 3.752  52, 52.369, 3.752

 100, 52.369, 3.752  42, 52.369, 3.752

 72, 52.369, 3.752  32, 52.369, 3.752

 82, 52.369, 3.752  22, 52.369, 3.752

 92, 52.369, 3.752  12, 52.369, 3.752

 2, 52.369, 3.752

 0, 52.369, 3.752

 52, 52.369, 3.752  52, 52.369, 3.752

 49, 59.688, 6.633  56, 44.090, 1.471

 46, 65.693, 10.282  61, 35.271,

44, 70.251, 14.840

359.631

43, 73.756, 19.998

66, 26.263,
358.115

71, 17.319,
356.835

76, 8.601, 355.719

82, 0.198, 352.409

88, 7.850, 174.048

93, 15.536,
173.268

96, 17.845,
182.852

Harmonies

Complementary

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



52, 52.369, 3.752



75, 44.497, 167.903

Rectangle

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



52, 52.369, 3.752



52, 52.369, 53.752



52, 52.369, 183.752



52, 52.369, 233.752

Sweetspot

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



52, 52.366, 3.754



88, 18.385, 356.601



50, 73.631, 317.082



45, 12.840, 356.948



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 52.366, 3.754



59, 72.643, 7.534



55, 49.330, 37.988



40, 4.755, 355.629



35, 62.882, 19.067



4, 18.625, 4.048

Inverse Universe

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



52, 52.366, 3.754



59, 72.643, 7.534



70, 30.460, 219.263



40, 4.755, 355.629



35, 62.882, 19.067



4, 18.625, 4.048

Previews

White Background



This preview shows how the CIELCh color 52, 52.369, 3.752 looks on a white background.

Color Contrast Check

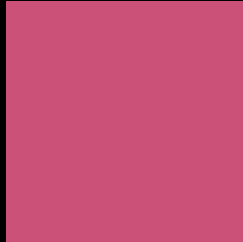
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 52, 52.369, 3.752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

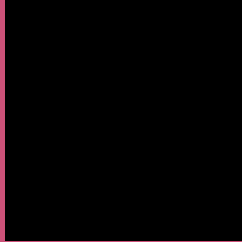
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 52.369, 3.752

Background



This preview shows how black text looks on a background with the CIELCh color 52, 52.369, 3.752.



This preview shows how white text looks on a background with the CIELCh color 52, 52.369, 3.752.

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

52, 52.369, 3.752

Protanopia

52, 12.212, 286.483

Deuteranopia

52, 9.094, 42.520



Tritanopia
52, 50.388, 23.602

Trichromacy



Original Color
52, 52.369, 3.752

Protanomaly
51, 23.398, 338.446

Deuteranomaly
51, 24.504, 9.109

Tritanomaly
52, 50.391, 16.458

Monochromacy



Original Color
52, 52.369, 3.752

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 20.137, 358.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 52.369, 3.752 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(204, 81, 120)` looks like.

```
.text, #text, p{  
    color:rgb(204, 81, 120)  
}
```

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(204, 81, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 81, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 52.369, 3.752 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(204, 81, 120) }
```

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

```
.border{ border-color:rgb(204, 81, 120) }
```

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

Here you see how a box with a 4 pixel rgb(204, 81, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 81, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 81, 120);  
box-shadow:4px 4px 4px 4px rgb(204, 81,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 52.369, 3.752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 81, 120) }
```

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

```
.background{ background-color: rgb(204, 81,  
120) }
```

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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