

Converting Colors

CIELCh(52, 103.107, 325.620)

Have a look what the booklet for
CIELCh(52, 103.107, 325.620)
contains.

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Color

CIELCh(52, 103.212, 325.631)

Conversions

Conversions Part 1

Format	Color
Hex	D419E2
RGB	212, 25, 226
RGB Percent	83%, 10%, 89%
CMY	0.1691, 0.9030, 0.1142
CMYK	0.06, 0.89, 0.00, 0.11
HSL	296°, 80%, 49%
HSV	296°, 89%, 89%
XYZ	41.1648, 20.1443, 73.5785
YIQ	103.8270, 46.9310, 102.1550

Conversions

Conversions Part 2

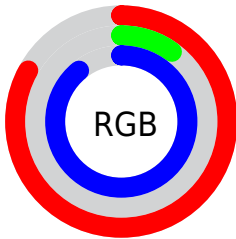
Format	Color
R _Y B	212, 25, 226
Decimal	13900258
CIE Lab	52.00, 85.19, -58.27
CIE LCh	52, 103.212, 325.631
Yxy	20.1443, 0.3052, 0.1493
Android (android.graphics.Color)	4292090338 (0xFFD419E2)
YUV	103.8270, 60.2313, 94.8677
Hunter-Lab	44.8824, 85.1704, -65.7800

Details

The CIELCh color **52, 103.212, 325.631** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **79, 105.605, 135.935**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.426, 327.467**, and **37, 85.908, 324.158** is the 20% darker color. If you saturate the color by 10%, you get **51, 105.694, 325.494**, and if you desaturate by 10%, it is **54, 98.190, 325.638**.

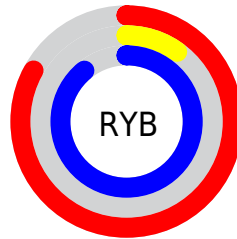
Distribution



Red (83%)

Green (10%)

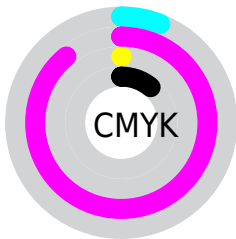
Blue (89%)



Red (83%)

Yellow (10%)

Blue (89%)

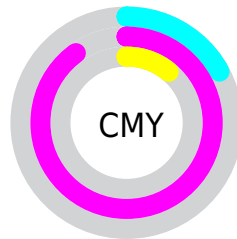


Cyan (6%)

Magenta (89%)

Yellow (0%)

Black (11%)



Cyan (17%)


Magenta (90%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 103.212, 325.631 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, 103.212, 325.631 by changing the saturation by 10% instead.


 52, 103.212,
325.631


 52, 103.212,
325.631


 100, 103.212,
325.631


 42, 103.212,
325.631


 72, 103.212,
325.631


 32, 103.212,
325.631


 82, 103.212,
325.631

 22, 103.212,
325.631

 92, 103.212,
325.631

 12, 103.212,
325.631

 2, 103.212,
325.631

 0, 103.212,
325.631

■ 52, 103.212,
325.631

■ 52, 103.212,
325.631

■ 51, 105.694,
325.494

■ 54, 98.190,
325.638

■ 51, 105.880,
325.479

■ 56, 90.447,
325.507

■ 60, 80.331,
325.254

■ 64, 68.390,
324.905

■ 69, 55.207,
324.482

■ 74, 41.295,
324.012

■ 79, 27.059,
323.513

■ 85, 12.790,

322.997

■ 90, 1.314, 142.717

Harmonies

Complementary

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



52, 103.212, 325.631



79, 105.605, 135.935

Rectangle

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



52, 103.212, 325.631



52, 103.212, 15.631



52, 103.212, 145.631



52, 103.212, 195.631

Sweetspot

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



52, 103.210, 325.631



83, 42.353, 323.920



32, 109.376, 303.678



42, 28.520, 324.088



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, 103.210, 325.631



57, 116.050, 325.461



50, 78.107, 351.466



44, 7.981, 323.017



40, 87.844, 325.523



7, 35.858, 325.890

Inverse Universe

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



48, 85.349, 33.610



53, 101.796, 37.981



79, 82.692, 147.402



44, 4.740, 14.305



36, 76.236, 37.122



6, 25.392, 18.010

Previews

White Background



This preview shows how the CIELCh color 52, 103.212, 325.631 looks on a white background.

Color Contrast Check

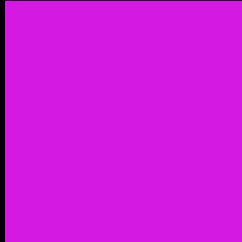
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 103.212, 325.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

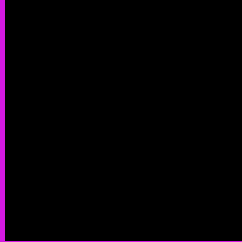
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 103.212, 325.631

Background



This preview shows how black text looks on a background with the CIELCh color 52, 103.212, 325.631.



This preview shows how white text looks on a background with the CIELCh color 52, 103.212, 325.631.

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, 103.212, 325.631

Protanopia

52, 77.596, 287.570

Deuteranopia

53, 51.474, 279.120



Tritanopia
52, 46.186, 21.854

Trichromacy



Original Color
52, 103.212, 325.631



Protanomaly
45, 92.946, 300.101



Deuteranomaly
47, 75.767, 303.952



Tritanomaly
50, 61.806, 347.356

Monochromacy



Original Color
52, 103.212, 325.631



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 48.854, 324.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 103.212, 325.631 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, 25, 226)` looks like.

```
.text, #text, p{  
    color:rgb(212, 25, 226)  
}
```

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, 25, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 25, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 103.212, 325.631 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, 25, 226) }
```

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

```
.border{ border-color:rgb(212, 25, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 25, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 25, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 25, 226);  
box-shadow:4px 4px 4px 4px rgb(212, 25,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 103.212, 325.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 25, 226) }
```

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

```
.background{ background-color: rgb(212, 25,  
226) }
```

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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