

Converting Colors

CIELCh(52, 87.814, 330.358)

Have a look what the booklet for
CIELCh(52, 87.814, 330.358)
contains.

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Color

CIELCh(52, 87.927, 330.344)

Conversions

Conversions Part 1

Format	Color
Hex	D330C8
RGB	211, 48, 200
RGB Percent	83%, 19%, 78%
CMY	0.1724, 0.8115, 0.2155
CMYK	0.00, 0.77, 0.05, 0.17
HSL	304°, 65%, 51%
HSV	304°, 77%, 83%
XYZ	38.3635, 20.1443, 56.5325
YIQ	114.0650, 48.3560, 81.8280

Conversions

Conversions Part 2

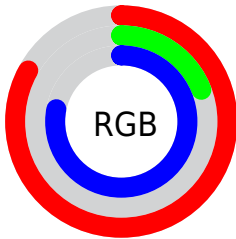
Format	Color
R _Y B	211, 48, 200
Decimal	13840584
CIE Lab	52.00, 76.41, -43.51
CIE LCh	52, 87.927, 330.344
Yxy	20.1443, 0.3335, 0.1751
Android (android.graphics.Color)	4292030664 (0xFFD330C8)
YUV	114.0650, 42.3660, 85.0120
Hunter-Lab	44.8824, 74.0294, -43.2621

Details

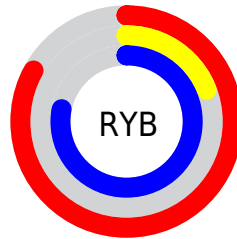
The CIELCh color **52, 87.927, 330.344** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **75, 91.271, 138.696**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 85.160, 327.301**, and **35, 75.805, 330.122** is the 20% darker color. If you saturate the color by 10%, you get **50, 92.501, 330.715**, and if you desaturate by 10%, it is **54, 80.833, 329.927**.

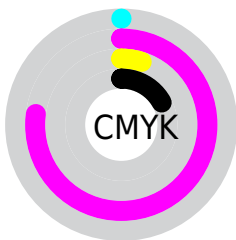
Distribution



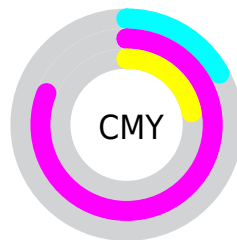
- Red (83%)
- Green (19%)
- Blue (78%)



- Red (83%)
- Yellow (19%)
- Blue (78%)



- Cyan (0%)
- Magenta (77%)
- Yellow (5%)
- Black (17%)



- Cyan (17%)
- Magenta (81%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 87.927, 330.344 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, 87.927, 330.344 by changing the saturation by 10% instead.

 52, 87.927,
330.344


 52, 87.927,
330.344

 100, 87.927,
330.344


 42, 87.927,
330.344

 72, 87.927,
330.344

 32, 87.927,
330.344

 82, 87.927,
330.344

 22, 87.927,
330.344

 92, 87.927,
330.344

 12, 87.927,
330.344

 2, 87.927, 330.344

 0, 87.927, 330.344

■ 52, 87.927,
330.344

■ 52, 87.927,
330.344

■ 50, 92.501,
330.715

■ 54, 80.833,
329.927

■ 50, 94.606,
331.051

■ 58, 71.554,
329.461

■ 49, 94.983,
331.142

■ 61, 60.587,
328.953

■ 66, 48.465,
328.412

■ 70, 35.663,
327.849

■ 75, 22.556,
327.274

■ 81, 9.417, 326.687

■ 86, 3.568, 146.237

■ 92, 16.283,
145.630

Harmonies

Complementary

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



52, 87.927, 330.344



75, 91.271, 138.696

Rectangle

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



52, 87.927, 330.344



52, 87.927, 20.344



52, 87.927, 150.344



52, 87.927, 200.344

Sweetspot

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



52, 87.924, 330.344



86, 35.143, 327.621



33, 97.612, 304.096



44, 24.314, 327.830



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, 87.924, 330.344



60, 108.601, 330.946



49, 66.490, 359.643



41, 7.347, 326.817



39, 80.323, 331.093



5, 29.552, 330.118

Inverse Universe

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



52, 87.924, 330.344



60, 108.601, 330.946



76, 61.551, 157.451



41, 7.347, 326.817



39, 80.323, 331.093



5, 29.552, 330.118

Previews

White Background



This preview shows how the CIELCh color 52, 87.927, 330.344 looks on a white background.

Color Contrast Check

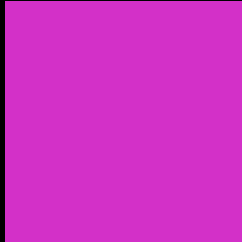
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.927, 330.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

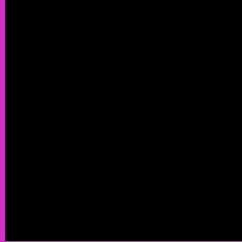
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 87.927, 330.344

Background



This preview shows how black text looks on a background with the CIELCh color 52, 87.927, 330.344.

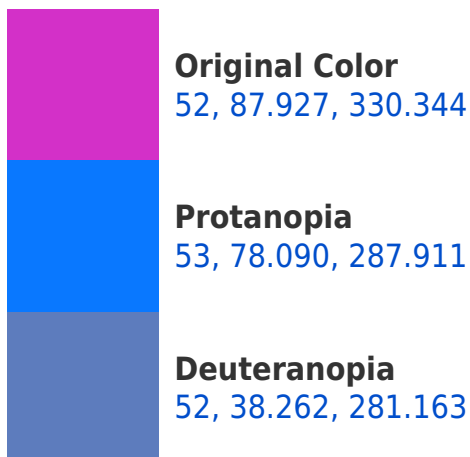


This preview shows how white text looks on a background with the CIELCh color 52, 87.927, 330.344.

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
52, 48.914, 22.627

Trichromacy



Original Color
52, 87.927, 330.344



Protanomaly
47, 82.459, 298.156



Deuteranomaly
49, 58.010, 308.934



Tritanomaly
51, 57.431, 354.339

Monochromacy



Original Color
52, 87.927, 330.344



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 38.757, 328.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 87.927, 330.344 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(211, 48, 200)` looks like.

```
.text, #text, p{  
    color:rgb(211, 48, 200)  
}
```

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(211, 48, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 48, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 87.927, 330.344 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(211, 48, 200) }
```

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

```
.border{ border-color:rgb(211, 48, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 48, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 48, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 48, 200);  
box-shadow:4px 4px 4px 4px rgb(211, 48,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 87.927, 330.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 48, 200) }
```

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

```
.background{ background-color: rgb(211, 48,  
200) }
```

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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