

# Converting Colors

CIELCh(52, 95.457, 330.782)

Have a look what the booklet for  
CIELCh(52, 95.457, 330.782)  
contains.

<b>CIELCh(52, 95.638, 330.749)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(52, 95.638, 330.749)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB19CE
RGB	219, 25, 206
RGB Percent	86%, 10%, 81%
CMY	0.1421, 0.9039, 0.1930
CMYK	0.00, 0.89, 0.06, 0.14
HSL	304°, 80%, 48%
HSV	304°, 89%, 86%
XYZ	40.5961, 20.1443, 60.0056
YIQ	103.6400, 57.5230, 97.4190

# Conversions

## Conversions Part 2

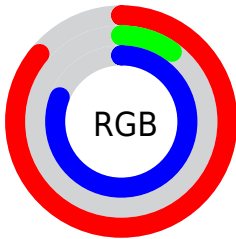
Format	Color
R <sub>Y</sub> B	219, 25, 206
Decimal	14358990
CIE Lab	52.00, 83.44, -46.73
CIE LCh	52, 95.638, 330.749
Yxy	20.1443, 0.3362, 0.1668
Android (android.graphics.Color)	4292549070 (0xFFDB19CE)
YUV	103.6400, 50.4635, 101.1707
Hunter-Lab	44.8824, 82.9086, -47.8501

# Details

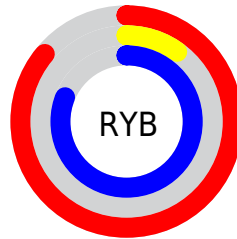
The CIELCh color **52, 95.638, 330.749** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **77, 101.407, 137.347**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.426, 327.467**, and **37, 78.082, 330.314** is the 20% darker color. If you saturate the color by 10%, you get **51, 97.465, 331.079**, and if you desaturate by 10%, it is **54, 91.384, 330.387**.

# Distribution



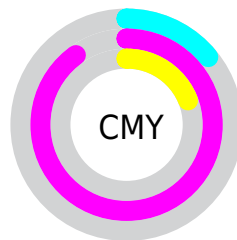
- Red (86%)
- Green (10%)
- Blue (81%)



- Red (86%)
- Yellow (10%)
- Blue (81%)



- Cyan (0%)
- Magenta (89%)
- Yellow (6%)
- Black (14%)




- Cyan (14%)
- Magenta (90%)
- Yellow (19%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 95.638, 330.749 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, 95.638, 330.749 by changing the saturation by 10% instead.





 52, 95.638,  
330.749


 52, 95.638,  
330.749


 100, 95.638,  
330.749


 42, 95.638,  
330.749


 72, 95.638,  
330.749

 32, 95.638,  
330.749

 82, 95.638,  
330.749

 22, 95.638,  
330.749

 92, 95.638,  
330.749

 12, 95.638,  
330.749

 2, 95.638, 330.749

 0, 95.638, 330.749

■ 52, 95.638,  
330.749

■ 52, 95.638,  
330.749

■ 51, 97.465,  
331.079

■ 54, 91.384,  
330.387

■ 51, 97.625,  
331.118

■ 56, 84.509,  
329.978

■ 59, 75.301,  
329.521

■ 63, 64.259,  
329.019

■ 67, 51.934,  
328.483

■ 72, 38.832,  
327.922

■ 77, 25.359,  
327.347

■ 82, 11.814,

326.763

■ 88, 1.597, 146.408

# Harmonies

# Complementary

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



52, 95.638, 330.749



77, 101.407, 137.347

# Rectangle

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



52, 95.638, 330.749



52, 95.638, 20.749



52, 95.638, 150.749



52, 95.638, 200.749

# Sweetspot

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



52, 95.635, 330.749



84, 41.252, 327.833



30, 112.427, 305.688



42, 27.761, 328.029



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, 95.635, 330.749



59, 109.550, 331.145



48, 72.946, 3.911



43, 7.644, 326.801



40, 82.148, 331.070



7, 32.984, 330.480



# Inverse Universe

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



52, 95.635, 330.749



59, 109.550, 331.145



78, 69.352, 155.008



43, 7.644, 326.801



40, 82.148, 331.070



7, 32.984, 330.480



# Previews

## White Background



This preview shows how the CIELCh color 52, 95.638, 330.749 looks on a white background.

## Color Contrast Check

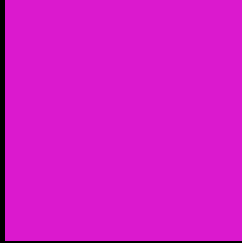
Large Text (above 18pt) WCAG AA ✓ Pass

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, 95.638, 330.749 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

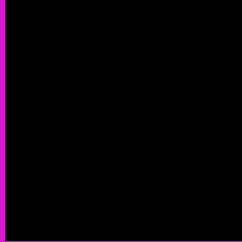
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 52, 95.638, 330.749**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 52, 95.638, 330.749.



This preview shows how white text looks on a background with the CIELCh color 52, 95.638, 330.749.

# 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, 95.638, 330.749

### Protanopia

53, 78.090, 287.911

### Deuteranopia

53, 40.637, 280.603





**Tritanopia**  
52, 54.433, 24.643

# Trichromacy



**Original Color**  
52, 95.638, 330.749



**Protanomaly**  
45, 89.027, 300.630



**Deuteranomaly**  
47, 65.719, 309.987



**Tritanomaly**  
51, 63.383, 355.509

# Monochromacy



**Original Color**  
52, 95.638, 330.749



**Achromatopsia**  
44, 0.006, 296.813



**Achromatomaly**  
42, 46.139, 329.067

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 52, 95.638, 330.749 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(219, 25, 206)` looks like.

```
.text, #text, p{  
    color:rgb(219, 25, 206)  
}
```

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(219, 25, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 25, 206) }
```

## Border

The CSS property to change the border of an element to CIELCh 52, 95.638, 330.749 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(219, 25, 206) }
```

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

```
.border{ border-color:rgb(219, 25, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 25, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 25, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 25, 206);  
box-shadow:4px 4px 4px 4px rgb(219, 25,  
206) }
```

# Background

The CSS property to change the background color of an element to CIELCh 52, 95.638, 330.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 25, 206) }
```

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

```
.background{ background-color: rgb(219, 25,  
206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**