

Converting Colors

CIELCh(53, 96.640, 333.201)

Have a look what the booklet for
CIELCh(53, 96.640, 333.201)
contains.

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Color

CIELCh(53, 96.532, 333.228)

Conversions

Conversions Part 1

Format	Color
Hex	E40ACB
RGB	228, 10, 203
RGB Percent	89%, 4%, 80%
CMY	0.1056, 0.9593, 0.2036
CMYK	0.00, 0.95, 0.11, 0.11
HSL	307°, 91%, 47%
HSV	307°, 95%, 89%
XYZ	42.9198, 21.0462, 58.3458
YIQ	97.1840, 67.9750, 106.2390

Conversions

Conversions Part 2

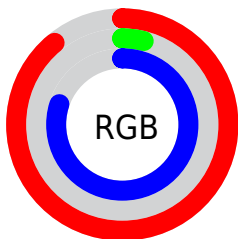
Format	Color
R_{YB}	228, 10, 203
Decimal	14944971
CIE _{Lab}	53.00, 86.18, -43.48
CIE _{LCh}	53, 96.532, 333.228
Yxy	21.0462, 0.3509, 0.1721
Android (android.graphics.Color)	4293135051 (0xFFE40ACB)
YUV	97.1840, 52.1673, 114.7256
Hunter-Lab	45.8761, 86.7141, -43.2924

Details

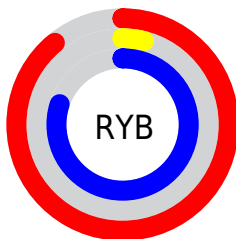
The CIELCh color **53, 96.532, 333.228** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **79, 105.937, 137.371**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 91.340, 327.496**, and **39, 77.066, 333.577** is the 20% darker color. If you saturate the color by 10%, you get **53, 96.954, 333.485**, and if you desaturate by 10%, it is **54, 94.298, 332.675**.

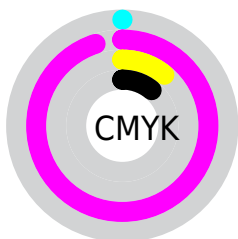
Distribution



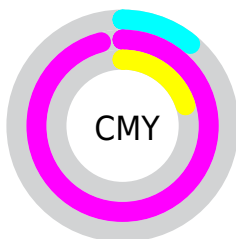
- Red (89%)
- Green (4%)
- Blue (80%)



- Red (89%)
- Yellow (4%)
- Blue (80%)



- Cyan (0%)
- Magenta (95%)
- Yellow (11%)
- Black (11%)





- Cyan (11%)
- Magenta (96%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 96.532, 333.228 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 53, 96.532, 333.228 by changing the saturation by 10% instead.


 53, 96.532,
333.228


 53, 96.532,
333.228


 100, 96.532,
333.228

 43, 96.532,
333.228


 73, 96.532,
333.228

 33, 96.532,
333.228

 83, 96.532,
333.228

 23, 96.532,
333.228

 93, 96.532,
333.228

 13, 96.532,
333.228

 3, 96.532, 333.228

 0, 96.532, 333.228

■ 53, 96.532,
333.228

■ 53, 96.532,
333.228

■ 53, 96.954,
333.485

■ 54, 94.298,
332.675

■ 56, 89.341,
332.132

■ 59, 81.732,
331.581

■ 62, 71.878,
331.014

■ 67, 60.337,
330.430

■ 71, 47.678,
329.832

■ 76, 34.388,
329.227

■ 82, 20.845,

328.621

■ 87, 7.316, 328.002

Harmonies

Complementary

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



53, 96.532, 333.228



79, 105.937, 137.371

Rectangle

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



53, 96.532, 333.228



53, 96.532, 23.228



53, 96.532, 153.228



53, 96.532, 203.228

Sweetspot

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



53, 96.529, 333.228



82, 42.852, 329.452



30, 120.247, 306.364



41, 29.338, 329.712



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 96.529, 333.228



59, 105.429, 333.521



49, 77.001, 10.160



45, 7.676, 328.255



41, 80.832, 333.391



8, 34.391, 332.510

Inverse Universe

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



53, 96.529, 333.228



59, 105.429, 333.521



80, 71.960, 155.465



45, 7.676, 328.255



41, 80.832, 333.391



8, 34.391, 332.510

Previews

White Background



This preview shows how the CIELCh color 53, 96.532, 333.228 looks on a white background.

Color Contrast Check

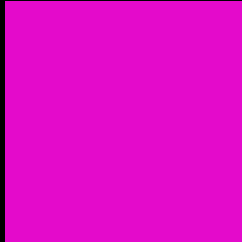
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 96.532, 333.228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

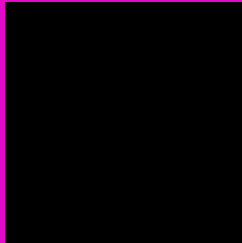
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 96.532, 333.228

Background



This preview shows how black text looks on a background with the CIELCh color 53, 96.532, 333.228.

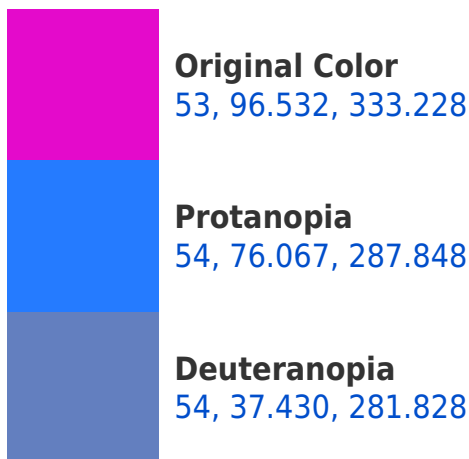


This preview shows how white text looks on a background with the CIELCh color 53, 96.532, 333.228.

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
53, 60.005, 25.891

Trichromacy



Original Color
53, 96.532, 333.228



Protanomaly
46, 89.748, 303.778



Deuteranomaly
48, 66.261, 313.548



Tritanomaly
51, 67.931, 358.557

Monochromacy



Original Color
53, 96.532, 333.228



Achromatopsia
41, 0.006, 296.813



Achromatomaly
41, 49.823, 330.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 96.532, 333.228 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(228, 10, 203)` looks like.

```
.text, #text, p{  
    color:rgb(228, 10, 203)  
}
```

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(228, 10, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 10, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 96.532, 333.228 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(228, 10, 203) }
```

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

```
.border{ border-color:rgb(228, 10, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 10, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 10, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 10, 203);  
box-shadow:4px 4px 4px 4px rgb(228, 10,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 96.532, 333.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 10, 203) }
```

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

```
.background{ background-color: rgb(228, 10,  
203) }
```

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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