

Converting Colors

CIELCh(53, 78.346, 344.918)

Have a look what the booklet for
CIELCh(53, 78.346, 344.918)
contains.

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Color

CIELCh(53, 78.365, 345.174)

Conversions

Conversions Part 1

Format	Color
Hex	E42EA3
RGB	228, 46, 163
RGB Percent	89%, 18%, 64%
CMY	0.1065, 0.8204, 0.3613
CMYK	0.00, 0.80, 0.29, 0.11
HSL	321°, 77%, 54%
HSV	321°, 80%, 89%
XYZ	39.5137, 21.0462, 36.5664
YIQ	113.7560, 70.9150, 74.9710

Conversions

Conversions Part 2

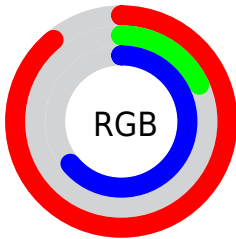
Format	Color
RYB	228, 46, 163
Decimal	14954147
CIELab	53.00, 75.76, -20.05
CIELCh	53, 78.365, 345.174
Yxy	21.0462, 0.4068, 0.2167
Android (android.graphics.Color)	4293144227 (0xFFE42EA3)
YUV	113.7560, 24.2773, 100.1920
Hunter-Lab	45.8761, 73.4613, -15.1449

Details

The CIELCh color **53, 78.365, 345.174** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **80, 81.476, 146.833**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 72.081, 336.904**, and **37, 66.036, 347.696** is the 20% darker color. If you saturate the color by 10%, you get **51, 81.186, 347.201**, and if you desaturate by 10%, it is **56, 72.956, 343.526**.

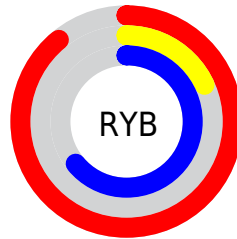
Distribution



Red (89%)

Green (18%)

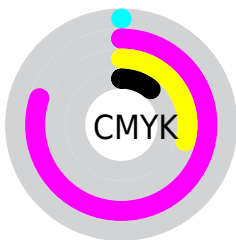
Blue (64%)



Red (89%)

Yellow (18%)

Blue (64%)

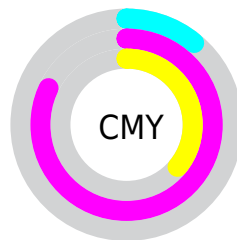


Cyan (0%)

Magenta (80%)

Yellow (29%)

Black (11%)



Cyan (11%)


Magenta (82%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 78.365, 345.174 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, 78.365, 345.174 by changing the saturation by 10% instead.


 53, 78.365,
345.174


 53, 78.365,
345.174


 100, 78.365,
345.174


 43, 78.365,
345.174


 73, 78.365,
345.174

 33, 78.365,
345.174

 83, 78.365,
345.174

 23, 78.365,
345.174

 93, 78.365,
345.174

 13, 78.365,
345.174

 3, 78.365, 345.174

 0, 78.365, 345.174

■ 53, 78.365,
345.174

■ 53, 78.365,
345.174

■ 51, 81.186,
347.201

■ 56, 72.956,
343.526

■ 50, 81.763,
349.662

■ 59, 65.287,
342.155

■ 50, 81.767,
349.689

■ 63, 55.892,
340.981

■ 68, 45.345,
339.948

■ 73, 34.146,
339.019

■ 79, 22.675,
338.167

■ 85, 11.200,
337.369

■ 91, 0.109, 160.294

■ 97, 11.150,
156.038

Harmonies

Complementary

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



53, 78.365, 345.174



80, 81.476, 146.833

Rectangle

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



53, 78.365, 345.174



53, 78.365, 35.174



53, 78.365, 165.174



53, 78.365, 215.174

Sweetspot

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



53, 78.361, 345.175



85, 30.017, 338.521



39, 104.025, 309.083



43, 20.633, 338.829



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, 78.361, 345.175



56, 88.927, 348.823



51, 74.913, 23.939



45, 6.464, 337.334



39, 68.332, 349.225



7, 29.529, 344.995

Inverse Universe

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



53, 78.361, 345.175



56, 88.927, 348.823



82, 49.611, 179.002



45, 6.464, 337.334



39, 68.332, 349.225



7, 29.529, 344.995

Previews

White Background



This preview shows how the CIELCh color 53, 78.365, 345.174 looks on a white background.

Color Contrast Check

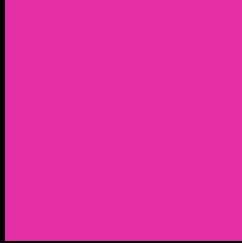
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.365, 345.174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

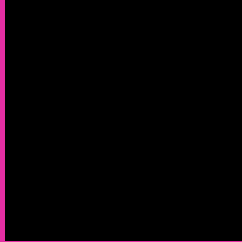
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 78.365, 345.174

Background



This preview shows how black text looks on a background with the CIELCh color 53, 78.365, 345.174.

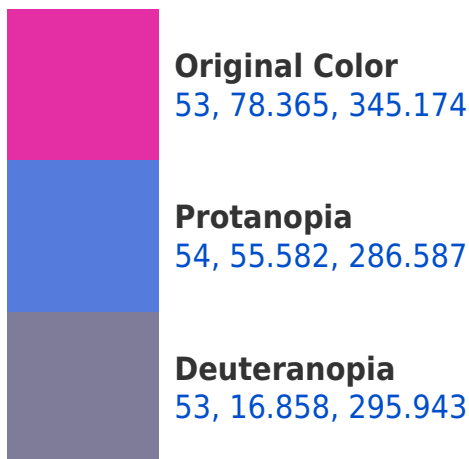


This preview shows how white text looks on a background with the CIELCh color 53, 78.365, 345.174.

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, 64.632, 27.509

Trichromacy



Original Color
53, 78.365, 345.174



Protanomaly
49, 61.270, 308.613



Deuteranomaly
50, 42.750, 329.741



Tritanomaly
53, 65.130, 10.029

Monochromacy



Original Color
53, 78.365, 345.174



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 35.509, 339.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 78.365, 345.174 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, 46, 163)` looks like.

```
.text, #text, p{  
    color:rgb(228, 46, 163)  
}
```

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, 46, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 46, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 78.365, 345.174 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, 46, 163) }
```

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

```
.border{ border-color:rgb(228, 46, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 46, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 46, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 46, 163);  
box-shadow:4px 4px 4px 4px rgb(228, 46,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 78.365, 345.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 46, 163) }
```

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

```
.background{ background-color: rgb(228, 46,  
163) }
```

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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