

Converting Colors

CIELCh(44, 80.785, 333.613)

Have a look what the booklet for
CIELCh(44, 80.785, 333.613)
contains.

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Color

CIELCh(44, 80.844, 333.612)

Conversions

Conversions Part 1

Format	Color
Hex	BB15A5
RGB	187, 21, 165
RGB Percent	73%, 8%, 65%
CMY	0.2663, 0.9169, 0.3526
CMYK	0.00, 0.89, 0.12, 0.27
HSL	308°, 80%, 41%
HSV	308°, 89%, 73%
XYZ	27.5851, 13.8382, 36.8522
YIQ	87.0500, 52.7120, 79.9760

Conversions

Conversions Part 2

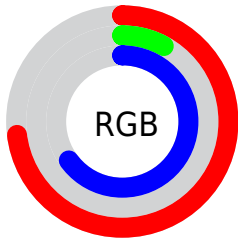
Format	Color
R_{YB}	187, 21, 165
Decimal	12260773
CIE _{Lab}	44.00, 72.42, -35.93
CIE _{LCh}	44, 80.844, 333.612
Yxy	13.8382, 0.3524, 0.1768
Android (android.graphics.Color)	4290450853 (0xFFBB15A5)
YUV	87.0500, 38.4293, 87.6561
Hunter-Lab	37.1997, 67.2653, -32.6963

Details

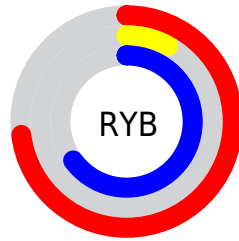
The CIELCh color **44, 80.844, 333.612** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **66, 87.101, 138.689**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 80.718, 333.791**, and **29, 63.440, 333.687** is the 20% darker color. If you saturate the color by 10%, you get **43, 82.371, 334.250**, and if you desaturate by 10%, it is **45, 77.222, 333.004**.

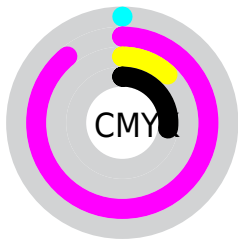
Distribution



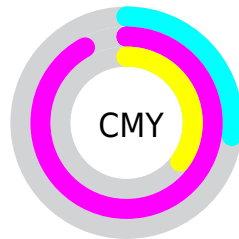
- Red (73%)
- Green (8%)
- Blue (65%)



- Red (73%)
- Yellow (8%)
- Blue (65%)



- Cyan (0%)
- Magenta (89%)
- Yellow (12%)
- Black (27%)



- Cyan (27%)
- Magenta (92%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 80.844, 333.612 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 44, 80.844, 333.612 by changing the saturation by 10% instead.


 44, 80.844,
333.612


 44, 80.844,
333.612


 100, 80.844,
333.612

 34, 80.844,
333.612

 64, 80.844,
333.612

 24, 80.844,
333.612

 74, 80.844,
333.612

 14, 80.844,
333.612


 84, 80.844,
333.612

 4, 80.844, 333.612

 94, 80.844,
333.612

 0, 80.844, 333.612

 44, 80.844,

 44, 80.844,

333.612

333.612

■ 43, 82.371,
334.250

■ 45, 77.222,
333.004

■ 43, 82.527,
334.336

■ 48, 71.333,
332.408

■ 51, 63.466,
331.811

■ 54, 54.070,
331.208

■ 58, 43.624,
330.598

■ 62, 32.555,
329.985

■ 67, 21.198,
329.375

■ 72, 9.799, 328.763

Harmonies

Complementary

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



44, 80.844, 333.612



66, 87.101, 138.689

Rectangle

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



44, 80.844, 333.612



44, 80.844, 23.612



44, 80.844, 153.612



44, 80.844, 203.612

Sweetspot

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



44, 80.841, 333.612



80, 37.829, 329.910



26, 98.817, 305.997



41, 25.669, 330.120



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



44, 80.841, 333.612



56, 100.020, 334.449



41, 64.493, 7.913



37, 6.451, 328.806



36, 72.959, 334.247



3, 18.846, 330.758

Inverse Universe

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



44, 80.841, 333.612



56, 100.020, 334.449



67, 58.020, 158.297



37, 6.451, 328.806



36, 72.959, 334.247



3, 18.846, 330.758

Previews

White Background



This preview shows how the CIELCh color 44, 80.844, 333.612 looks on a white background.

Color Contrast Check

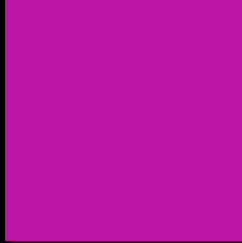
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 44, 80.844, 333.612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

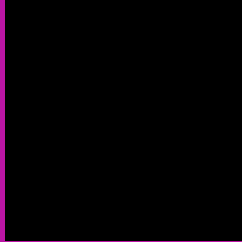
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 80.844, 333.612

Background



This preview shows how black text looks on a background with the CIELCh color 44, 80.844, 333.612.

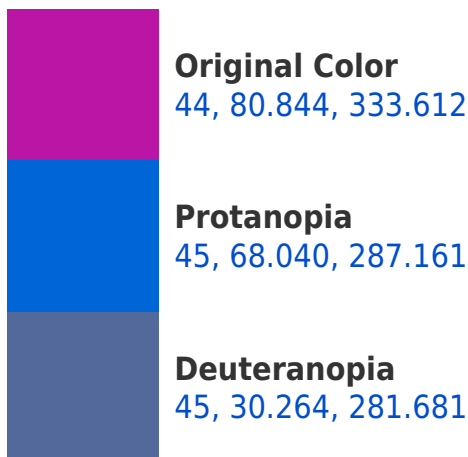


This preview shows how white text looks on a background with the CIELCh color 44, 80.844, 333.612.

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](#).

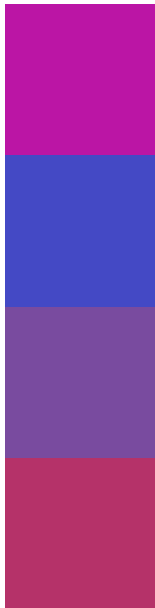
Dichromacy





Tritanopia
44, 50.344, 25.457

Trichromacy



Original Color
44, 80.844, 333.612

Protanomaly
38, 75.115, 299.501

Deuteranomaly
41, 52.584, 313.155

Tritanomaly
43, 56.338, 359.025

Monochromacy



Original Color
44, 80.844, 333.612

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 38.573, 331.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 80.844, 333.612 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(187, 21, 165)` looks like.

```
.text, #text, p{  
    color:rgb(187, 21, 165)  
}
```

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(187, 21, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 21, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 80.844, 333.612 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(187, 21, 165) }
```

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

```
.border{ border-color:rgb(187, 21, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 21, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 21, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 21, 165);  
box-shadow:4px 4px 4px 4px rgb(187, 21,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 80.844, 333.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 21, 165) }
```

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

```
.background{ background-color: rgb(187, 21,  
165) }
```

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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