

Converting Colors

CIELCh(46, 62.497, 329.687)

Have a look what the booklet for
CIELCh(46, 62.497, 329.687)
contains.

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Color

CIELCh(46, 62.474, 329.590)

Conversions

Conversions Part 1

Format	Color
Hex	AA44A3
RGB	170, 68, 163
RGB Percent	67%, 27%, 64%
CMY	0.3342, 0.7341, 0.3616
CMYK	0.00, 0.60, 0.04, 0.33
HSL	304°, 43%, 47%
HSV	304°, 60%, 67%
XYZ	25.1787, 15.2687, 36.1748
YIQ	109.3280, 30.2970, 51.1690

Conversions

Conversions Part 2

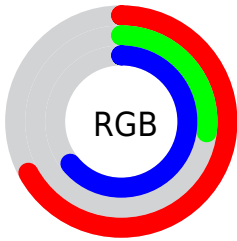
Format	Color
R_{YB}	170, 68, 163
Decimal	11158691
CIE _{Lab}	46.00, 53.88, -31.62
CIE _{LCh}	46, 62.474, 329.590
Yxy	15.2687, 0.3286, 0.1993
Android (android.graphics.Color)	4289348771 (0xFFAA44A3)
YUV	109.3280, 26.4603, 53.2093
Hunter-Lab	39.0751, 46.6377, -27.5367

Details

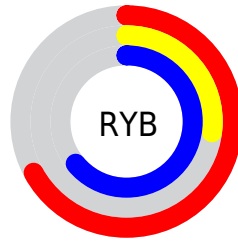
The CIELCh color **46, 62.474, 329.590** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **62, 63.320, 141.024**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 62.435, 329.798**, and **26, 62.545, 329.603** is the 20% darker color. If you saturate the color by 10%, you get **43, 69.927, 330.042**, and if you desaturate by 10%, it is **49, 53.539, 329.096**.

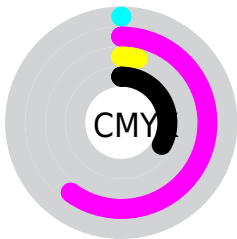
Distribution



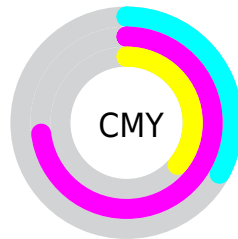
- Red (67%)
- Green (27%)
- Blue (64%)



- Red (67%)
- Yellow (27%)
- Blue (64%)



- Cyan (0%)
- Magenta (60%)
- Yellow (4%)
- Black (33%)





- Cyan (33%)
- Magenta (73%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 62.474, 329.590 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 46, 62.474, 329.590 by changing the saturation by 10% instead.


 46, 62.474,
329.590


 46, 62.474,
329.590


 100, 62.474,
329.590


 36, 62.474,
329.590

 66, 62.474,
329.590


 26, 62.474,
329.590

 76, 62.474,
329.590

 16, 62.474,
329.590

 86, 62.474,
329.590

 6, 62.474, 329.590

 96, 62.474,
329.590

 0, 62.474, 329.590

 46, 62.474,

 46, 62.474,

329.590

43, 69.927,
330.042

42, 75.514,
330.448

40, 79.003,
330.811

40, 80.778,
331.142

329.590

49, 53.539,
329.096

53, 43.564,
328.568

57, 32.946,
328.016

61, 22.011,
327.452

65, 11.000,
326.878

69, 0.081, 323.361

74, 10.636,
145.826

79, 21.088,
145.292

■ 83, 31.241,
144.788

Harmonies

Complementary

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



46, 62.474, 329.590



62, 63.320, 141.024

Rectangle

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



46, 62.474, 329.590



46, 62.474, 19.590



46, 62.474, 149.590



46, 62.474, 199.590

Sweetspot

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



46, 62.472, 329.590



78, 24.531, 327.352



35, 62.946, 300.816



40, 17.193, 327.514



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



46, 62.472, 329.590



56, 87.849, 330.179



44, 46.483, 355.020



33, 6.136, 326.832



34, 73.031, 331.107



2, 10.936, 327.110

Inverse Universe

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



46, 62.472, 329.590



56, 87.849, 330.179



63, 42.629, 160.631



33, 6.136, 326.832



34, 73.031, 331.107



2, 10.936, 327.110

Previews

White Background



This preview shows how the CIELCh color 46, 62.474, 329.590 looks on a white background.

Color Contrast Check

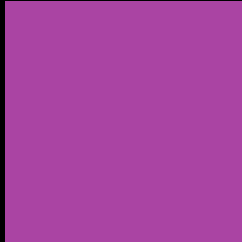
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 62.474, 329.590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

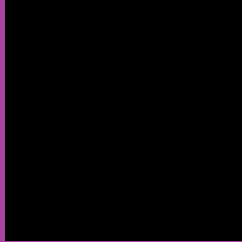
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 62.474, 329.590

Background



This preview shows how black text looks on a background with the CIELCh color 46, 62.474, 329.590.

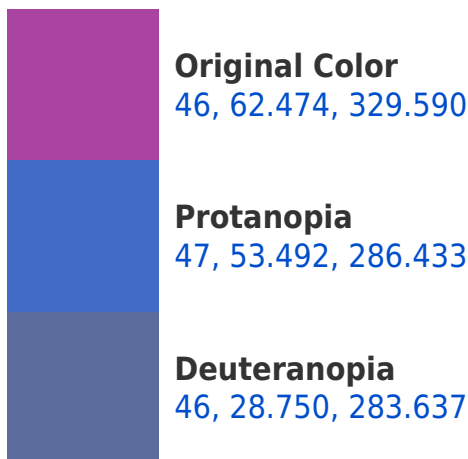


This preview shows how white text looks on a background with the CIELCh color 46, 62.474, 329.590.

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
46, 33.126, 18.341

Trichromacy



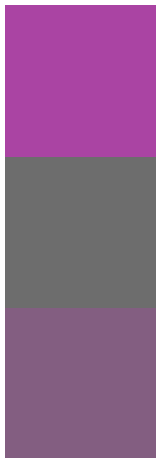
Original Color
46, 62.474, 329.590

Protanomaly
45, 54.929, 300.440

Deuteranomaly
45, 39.985, 308.381

Tritanomaly
46, 39.798, 352.494

Monochromacy



Original Color
46, 62.474, 329.590

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 25.304, 327.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 62.474, 329.590 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(170, 68, 163)` looks like.

```
.text, #text, p{  
    color:rgb(170, 68, 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(170, 68, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 68, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 62.474, 329.590 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(170, 68, 163) }
```

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

```
.border{ border-color:rgb(170, 68, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 68, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 68, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 68, 163);  
box-shadow:4px 4px 4px 4px rgb(170, 68,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 62.474, 329.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 68, 163) }
```

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

```
.background{ background-color: rgb(170, 68,  
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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