

Converting Colors

CIELCh(46, 46.794, 329.790)

Have a look what the booklet for
CIELCh(46, 46.794, 329.790)
contains.

CIELCh(46, 46.794, 329.790)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 46.794, 329.790)

Conversions

Conversions Part 1

Format	Color
Hex	9C5295
RGB	156, 82, 149
RGB Percent	61%, 32%, 58%
CMY	0.3883, 0.6785, 0.4157
CMYK	0.00, 0.47, 0.04, 0.39
HSL	306°, 31%, 47%
HSV	306°, 47%, 61%
XYZ	22.1476, 15.2687, 30.2080
YIQ	111.7640, 22.5970, 36.5250

Conversions

Conversions Part 2

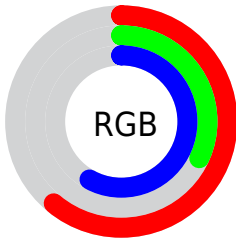
Format	Color
R _{YB}	156, 82, 149
Decimal	10244757
CIE _{Lab}	46.00, 40.44, -23.55
CIE _{LCh}	46, 46.794, 329.790
Y _{xy}	15.2687, 0.3275, 0.2258
Android (android.graphics.Color)	4288434837 (0xFF9C5295)
Y _{UV}	111.7640, 18.3573, 38.7950
Hunter-Lab	39.0751, 32.7915, -18.4830

Details

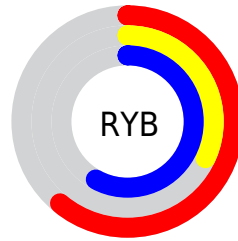
The CIELCh color $46, 46.794, 329.790$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $58, 46.986, 143.271$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 46.561, 329.920$, and $26, 47.035, 329.922$ is the 20% darker color. If you saturate the color by 10%, you get $43, 55.313, 330.328$, and if you desaturate by 10%, it is $49, 37.433, 329.231$.

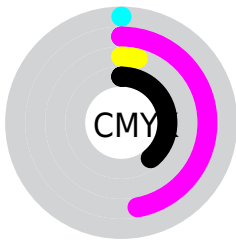
Distribution



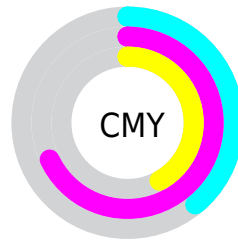
- Red (61%)
- Green (32%)
- Blue (58%)



- Red (61%)
- Yellow (32%)
- Blue (58%)



- Cyan (0%)
- Magenta (47%)
- Yellow (4%)
- Black (39%)





- Cyan (39%)
- Magenta (68%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 46.794, 329.790 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, 46.794, 329.790 by changing the saturation by 10% instead.


 46, 46.794,
329.790


 46, 46.794,
329.790


 100, 46.794,
329.790


 36, 46.794,
329.790

 66, 46.794,
329.790


 26, 46.794,
329.790

 76, 46.794,
329.790

 16, 46.794,
329.790

 86, 46.794,
329.790

 6, 46.794, 329.790

 96, 46.794,
329.790

 0, 46.794, 329.790

 46, 46.794,

 46, 46.794,

329.790

329.790

43, 55.313,
330.328

49, 37.433,
329.231

40, 62.598,
330.840

53, 27.584,
328.659

38, 68.261,
331.322

57, 17.518,
328.081

37, 72.026,
331.779

61, 7.435, 327.495

36, 73.981,
332.224

65, 2.531, 147.062

36, 74.399,
332.337

70, 12.293,
146.449

74, 21.803,
145.921

79, 31.037,
145.423

■ 83, 39.987,
144.951

Harmonies

Complementary

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



46, 46.794, 329.790



58, 46.986, 143.271

Rectangle

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



46, 46.794, 329.790



46, 46.794, 19.790



46, 46.794, 149.790



46, 46.794, 199.790

Sweetspot

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



46, 46.792, 329.790



75, 17.480, 327.898



39, 45.339, 299.001



38, 12.050, 328.014



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



46, 46.792, 329.790



56, 68.160, 330.365



45, 34.685, 353.799



31, 5.721, 327.604



33, 69.784, 332.303



1, 7.341, 327.710

Inverse Universe

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



46, 46.792, 329.790



56, 68.160, 330.365



59, 31.941, 163.466



31, 5.721, 327.604



33, 69.784, 332.303



1, 7.341, 327.710

Previews

White Background



This preview shows how the CIELCh color 46, 46.794, 329.790 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, 46.794, 329.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

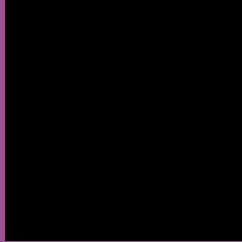
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 46.794, 329.790

Background



This preview shows how black text looks on a background with the CIELCh color 46, 46.794, 329.790.

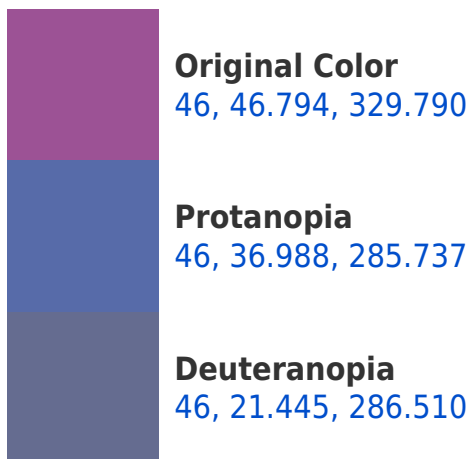


This preview shows how white text looks on a background with the CIELCh color 46, 46.794, 329.790.

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](#).

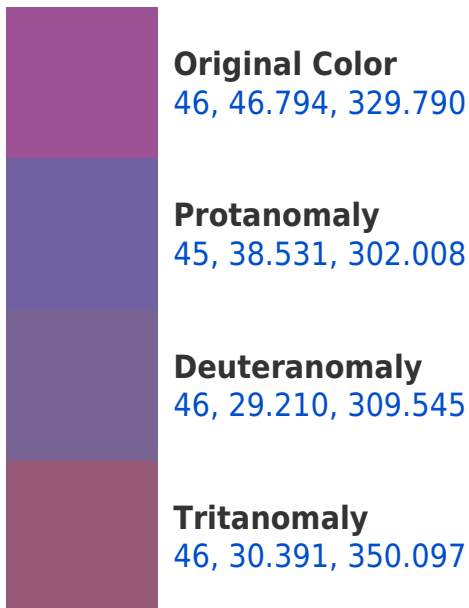
Dichromacy





Tritanopia
46, 24.948, 13.567

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 46.794, 329.790 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(156, 82, 149)` looks like.

```
.text, #text, p{  
    color:rgb(156, 82, 149)  
}
```

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(156, 82, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 82, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 46.794, 329.790 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(156, 82, 149) }
```

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

```
.border{ border-color:rgb(156, 82, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 82, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 82, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 82, 149);  
box-shadow:4px 4px 4px 4px rgb(156, 82,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 46.794, 329.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 82, 149) }
```

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

```
.background{ background-color: rgb(156, 82,  
149) }
```

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