

Converting Colors

CIELCh(46, 53.360, 322.348)

Have a look what the booklet for
CIELCh(46, 53.360, 322.348)
contains.

CIELCh(46, 52.948, 322.177)	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, 52.948, 322.177)

Conversions

Conversions Part 1

Format	Color
Hex	9752A4
RGB	151, 82, 164
RGB Percent	59%, 32%, 64%
CMY	0.4082, 0.6788, 0.3572
CMYK	0.08, 0.50, 0.00, 0.36
HSL	290°, 33%, 48%
HSV	290°, 50%, 64%
XYZ	22.4481, 15.2687, 36.8414
YIQ	111.9790, 14.8020, 40.1300

Conversions

Conversions Part 2

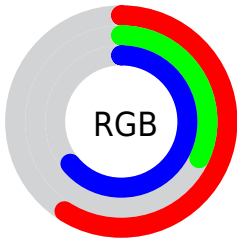
Format	Color
RYB	151, 82, 164
Decimal	9917092
CIELab	46.00, 41.82, -32.47
CIELCh	46, 52.948, 322.177
Yxy	15.2687, 0.3011, 0.2048
Android (android.graphics.Color)	4288107172 (0xFF9752A4)
YUV	111.9790, 25.6464, 34.2214
Hunter-Lab	39.0751, 34.1642, -28.5481

Details

The CIELCh color $46, 52.948, 322.177$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $61, 52.254, 136.986$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 52.702, 322.315$, and $26, 52.827, 322.122$ is the 20% darker color. If you saturate the color by 10%, you get $43, 62.337, 322.473$, and if you desaturate by 10%, it is $50, 42.764, 321.803$.

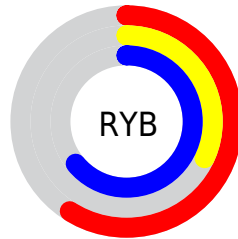
Distribution



Red (59%)

Green (32%)

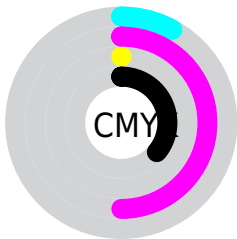
Blue (64%)



Red (59%)

Yellow (32%)

Blue (64%)

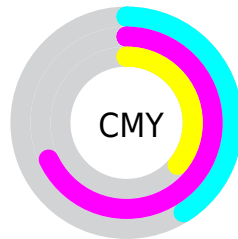


Cyan (8%)

Magenta (50%)

Yellow (0%)

Black (36%)



Cyan (41%)


Magenta (68%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 52.948, 322.177 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, 52.948, 322.177 by changing the saturation by 10% instead.


 46, 52.948,
322.177


 46, 52.948,
322.177


 100, 52.948,
322.177

 36, 52.948,
322.177

 66, 52.948,
322.177


 26, 52.948,
322.177

 76, 52.948,
322.177

 16, 52.948,
322.177

 86, 52.948,
322.177

 6, 52.948, 322.177

 96, 52.948,
322.177

 0, 52.948, 322.177

 46, 52.948,

 46, 52.948,

322.177

43, 62.337,
322.473

40, 70.498,
322.656

37, 76.972,
322.688

35, 81.405,
322.538

34, 84.114,
322.237

322.177

50, 42.764,
321.803

54, 32.151,
321.380

58, 21.377,
320.930

63, 10.630,
320.468

67, 0.032, 314.062

72, 10.343,
139.625

77, 20.452,
139.205

81, 30.276,
138.816

■ 86, 39.809,
138.455

Harmonies

Complementary

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



46, 52.948, 322.177



61, 52.254, 136.986

Rectangle

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



46, 52.948, 322.177



46, 52.948, 12.177



46, 52.948, 142.177



46, 52.948, 192.177

Sweetspot

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



46, 52.946, 322.177



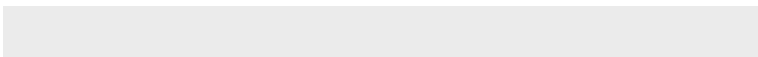
77, 19.856, 320.712



42, 41.176, 290.309



40, 13.540, 320.804



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



46, 52.946, 322.177



55, 77.262, 322.499



47, 43.593, 339.698



32, 5.975, 320.432



30, 77.004, 322.293



1, 9.121, 318.809

Inverse Universe

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



45, 36.078, 13.174



54, 54.246, 15.933



61, 43.023, 150.959



32, 3.704, 7.212



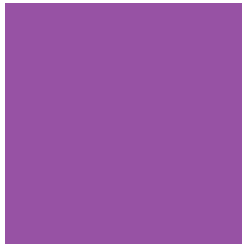
30, 62.177, 31.314



1, 5.597, 7.640

Previews

White Background



This preview shows how the CIELCh color 46, 52.948, 322.177 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 CIELCh color 46, 52.948, 322.177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

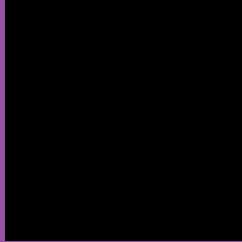
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 52.948, 322.177

Background



This preview shows how black text looks on a background with the CIELCh color 46, 52.948, 322.177.

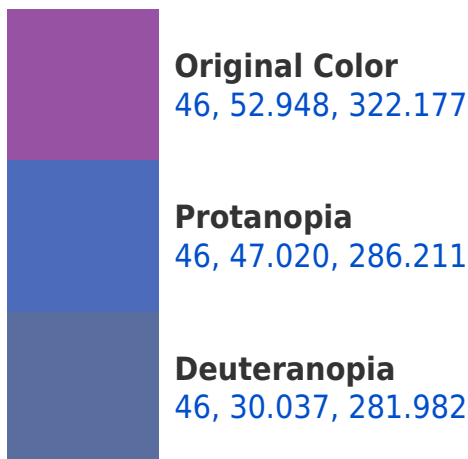


This preview shows how white text looks on a background with the CIELCh color 46, 52.948, 322.177.

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, 20.573, 9.132

Trichromacy



Original Color
46, 52.948, 322.177

Protanomaly
45, 47.646, 298.097

Deuteranomaly
46, 37.285, 301.614

Tritanomaly
46, 29.747, 339.942

Monochromacy



Original Color
46, 52.948, 322.177

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 20.337, 320.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 52.948, 322.177 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(151, 82, 164)` looks like.

```
.text, #text, p{  
    color:rgb(151, 82, 164)  
}
```

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(151, 82, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 82, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 52.948, 322.177 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(151, 82, 164) }
```

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

```
.border{ border-color:rgb(151, 82, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 82, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 82, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 82, 164);  
box-shadow:4px 4px 4px 4px rgb(151, 82,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 52.948, 322.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 82, 164) }
```

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

```
.background{ background-color: rgb(151, 82,  
164) }
```

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