

Converting Colors

CIELCh(48, 52.706, 315.380)

Have a look what the booklet for
CIELCh(48, 52.706, 315.380)
contains.

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Color

CIELCh(48, 52.581, 315.332)

Conversions

Conversions Part 1

Format	Color
Hex	915CB1
RGB	145, 92, 177
RGB Percent	57%, 36%, 69%
CMY	0.4321, 0.6399, 0.3066
CMYK	0.18, 0.48, 0.00, 0.31
HSL	277°, 35%, 53%
HSV	277°, 48%, 69%
XYZ	23.3739, 16.7945, 43.5070
YIQ	117.5370, 4.3030, 37.6710

Conversions

Conversions Part 2

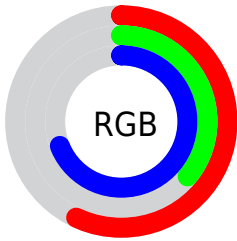
Format	Color
R_{YB}	145, 92, 177
Decimal	9526449
CIE _{Lab}	48.00, 37.40, -36.96
CIE _{LCh}	48, 52.581, 315.332
Yxy	16.7945, 0.2793, 0.2007
Android (android.graphics.Color)	4287716529 (0xFF915CB1)
YUV	117.5370, 29.3153, 24.0851
Hunter-Lab	40.9810, 30.0924, -34.2578

Details

The CIELCh color $48, 52.581, 315.332$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $67, 50.133, 131.010$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 52.275, 315.130$, and $28, 52.805, 315.273$ is the 20% darker color. If you saturate the color by 10%, you get $44, 63.179, 315.687$, and if you desaturate by 10%, it is $53, 41.571, 314.912$.

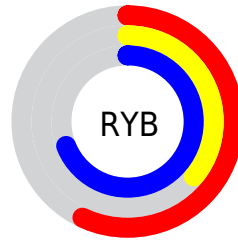
Distribution



Red (57%)

Green (36%)

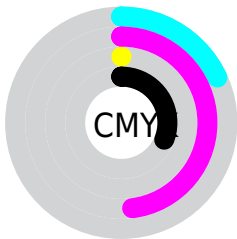
Blue (69%)



Red (57%)

Yellow (36%)

Blue (69%)

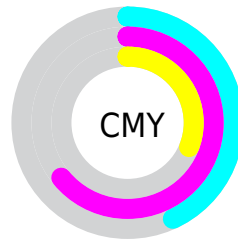


Cyan (18%)

Magenta (48%)

Yellow (0%)

Black (31%)



Cyan (43%)


Magenta (64%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 52.581, 315.332 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 48, 52.581, 315.332 by changing the saturation by 10% instead.


 48, 52.581,
315.332


 48, 52.581,
315.332


 100, 52.581,
315.332


 38, 52.581,
315.332

 68, 52.581,
315.332


 28, 52.581,
315.332

 78, 52.581,
315.332

 18, 52.581,
315.332

 88, 52.581,
315.332

 8, 52.581, 315.332

 98, 52.581,
315.332

 0, 52.581, 315.332

 48, 52.581,

 48, 52.581,

315.332

44, 63.179,
315.687

39, 72.934,
315.921

36, 81.274,
315.964

33, 87.581,
315.735

31, 91.618,
315.202

31, 92.334,
315.099

315.332

53, 41.571,
314.912

58, 30.452,
314.464

63, 19.413,
314.015

68, 8.568, 313.575

73, 2.021, 133.258

78, 12.322,
132.825

84, 22.325,
132.480

89, 32.030,
132.171

■ 94, 41.445,
131.895

Harmonies

Complementary

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



48, 52.581, 315.332



67, 50.133, 131.010

Rectangle

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



48, 52.581, 315.332



48, 52.581, 5.332



48, 52.581, 135.332



48, 52.581, 185.332

Sweetspot

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



48, 52.580, 315.332



82, 18.522, 313.846



52, 31.505, 275.645



42, 12.804, 313.939



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



48, 52.580, 315.332



56, 77.943, 315.715



52, 51.629, 330.599



35, 6.074, 313.630



26, 82.924, 315.220



2, 14.180, 309.512

Inverse Universe

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



50, 38.272, 356.712



59, 56.371, 358.878



65, 51.851, 143.784



35, 4.400, 351.673



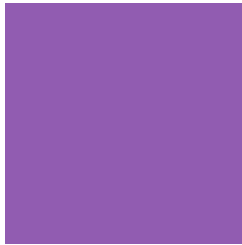
32, 58.088, 13.072



2, 9.989, 356.600

Previews

White Background



This preview shows how the CIELCh color 48, 52.581, 315.332 looks on a white background.

Color Contrast Check

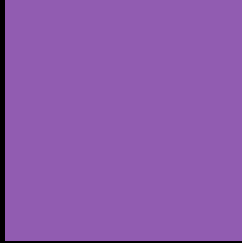
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 52.581, 315.332 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 48, 52.581, 315.332

Background



This preview shows how black text looks on a background with the CIELCh color 48, 52.581, 315.332.

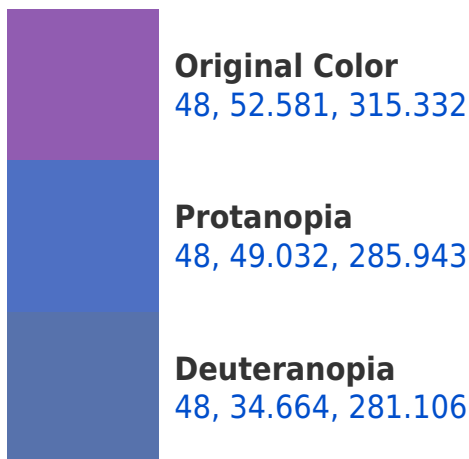


This preview shows how white text looks on a background with the CIELCh color 48, 52.581, 315.332.

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
48, 13.091, 357.352

Trichromacy



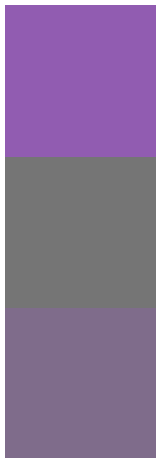
Original Color
48, 52.581, 315.332

Protanomaly
48, 48.887, 295.277

Deuteranomaly
48, 40.169, 296.166

Tritanomaly
48, 25.740, 327.364

Monochromacy



Original Color
48, 52.581, 315.332

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 19.728, 313.839

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 52.581, 315.332 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(145, 92, 177)` looks like.

```
.text, #text, p{  
    color:rgb(145, 92, 177)  
}
```

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(145, 92, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 92, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 52.581, 315.332 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(145, 92, 177) }
```

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

```
.border{ border-color:rgb(145, 92, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 92, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 92, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 92, 177);  
box-shadow:4px 4px 4px 4px rgb(145, 92,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 52.581, 315.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 92, 177) }
```

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

```
.background{ background-color: rgb(145, 92,  
177) }
```

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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