

Converting Colors

CIELCh(45, 48.843, 317.693)

Have a look what the booklet for
CIELCh(45, 48.843, 317.693)
contains.

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Color

CIELCh(45, 48.916, 317.736)

Conversions

Conversions Part 1

Format	Color
Hex	8B55A2
RGB	139, 85, 162
RGB Percent	55%, 33%, 64%
CMY	0.4557, 0.6674, 0.3655
CMYK	0.14, 0.48, 0.00, 0.37
HSL	282°, 31%, 48%
HSV	282°, 48%, 63%
XYZ	20.3524, 14.5417, 35.8241
YIQ	109.9240, 7.4670, 35.3950

Conversions

Conversions Part 2

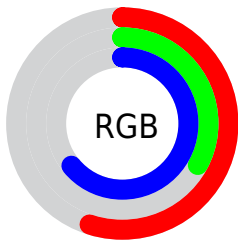
Format	Color
RYB	139, 85, 162
Decimal	9131426
CIELab	45.00, 36.20, -32.90
CIElCh	45, 48.916, 317.736
Yxy	14.5417, 0.2878, 0.2056
Android (android.graphics.Color)	4287321506 (0xFF8B55A2)
YUV	109.9240, 25.6735, 25.4997
Hunter-Lab	38.1336, 28.5338, -29.0057

Details

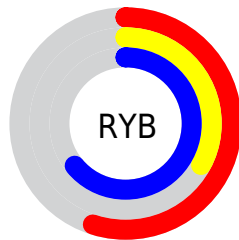
The CIELCh color $45, 48.916, 317.736$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $61, 47.288, 133.407$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 48.931, 317.837$, and $25, 48.738, 317.699$ is the 20% darker color. If you saturate the color by 10%, you get $41, 58.677, 318.054$, and if you desaturate by 10%, it is $49, 38.683, 317.349$.

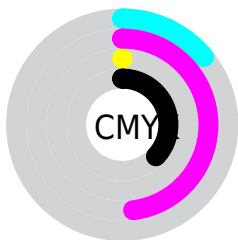
Distribution



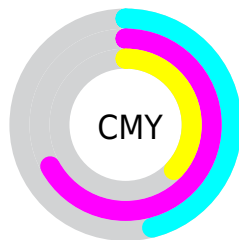
- Red (55%)
- Green (33%)
- Blue (64%)



- Red (55%)
- Yellow (33%)
- Blue (64%)



- Cyan (14%)
- Magenta (48%)
- Yellow (0%)
- Black (37%)





- Cyan (46%)
- Magenta (67%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 48.916, 317.736 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 45, 48.916, 317.736 by changing the saturation by 10% instead.


 45, 48.916,
317.736

 45, 48.916,
317.736


 100, 48.916,
317.736

 35, 48.916,
317.736

 65, 48.916,
317.736


 25, 48.916,
317.736

 75, 48.916,
317.736

 15, 48.916,
317.736

 85, 48.916,
317.736

 5, 48.916, 317.736

 95, 48.916,
317.736

 0, 48.916, 317.736

 45, 48.916,

 45, 48.916,

317.736

41, 58.677,
318.054

37, 67.567,
318.255

34, 75.087,
318.284

32, 80.730,
318.076

30, 84.343,
317.611

30, 85.146,
317.497

317.736

49, 38.683,
317.349

54, 28.274,
316.928

58, 17.884,
316.495

63, 7.634, 316.062

68, 2.401, 135.743

72, 12.182,
135.313

77, 21.692,
134.957

82, 30.926,
134.634

■ 87, 39.889,
134.342

Harmonies

Complementary

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



45, 48.916, 317.736



61, 47.288, 133.407

Rectangle

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



45, 48.916, 317.736



45, 48.916, 7.736



45, 48.916, 137.736



45, 48.916, 187.736

Sweetspot

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



45, 48.915, 317.736



76, 17.496, 316.352



46, 32.444, 281.844



39, 12.078, 316.439



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 48.915, 317.736



53, 71.529, 318.066



47, 45.012, 333.622



32, 5.749, 316.136



26, 78.673, 317.581



1, 8.735, 313.946

Inverse Universe

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



46, 34.403, 2.110



54, 50.572, 4.340



60, 45.018, 146.458



32, 3.915, 356.846



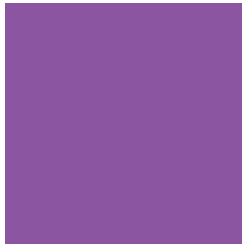
30, 57.364, 20.026



1, 5.899, 358.024

Previews

White Background



This preview shows how the CIELCh color 45, 48.916, 317.736 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 45, 48.916, 317.736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

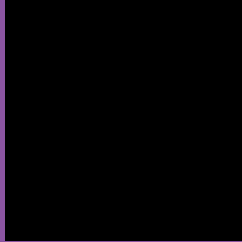
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 48.916, 317.736

Background



This preview shows how black text looks on a background with the CIELCh color 45, 48.916, 317.736.

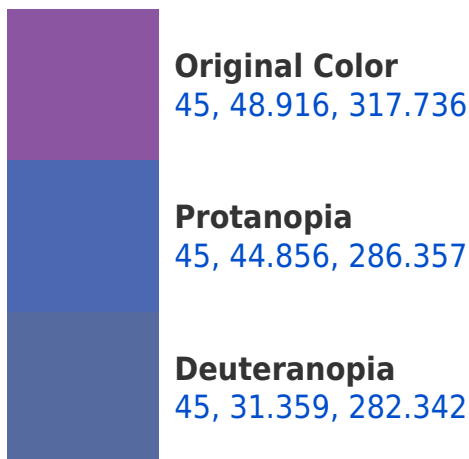


This preview shows how white text looks on a background with the CIELCh color 45, 48.916, 317.736.

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
45, 14.279, 2.017

Trichromacy



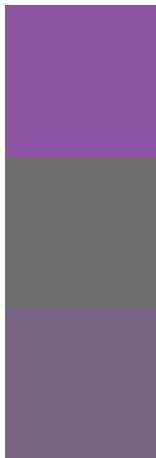
Original Color
45, 48.916, 317.736

Protanomaly
45, 45.397, 296.896

Deuteranomaly
45, 36.618, 298.618

Tritanomaly
45, 25.098, 331.479

Monochromacy



Original Color
45, 48.916, 317.736

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 18.311, 315.933

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 48.916, 317.736 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(139, 85, 162)` looks like.

```
.text, #text, p{  
    color:rgb(139, 85, 162)  
}
```

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(139, 85, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 85, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 48.916, 317.736 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(139, 85, 162) }
```

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

```
.border{ border-color:rgb(139, 85, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 85, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 85, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 85, 162);  
box-shadow:4px 4px 4px 4px rgb(139, 85,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 48.916, 317.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 85, 162) }
```

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

```
.background{ background-color: rgb(139, 85,  
162) }
```

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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