

Converting Colors

CIELCh(65, 45.408, 309.568)

Have a look what the booklet for
CIELCh(65, 45.408, 309.568)
contains.

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Color

CIELCh(65, 45.632, 309.403)

Conversions

Conversions Part 1

Format	Color
Hex	B28EDD
RGB	178, 142, 221
RGB Percent	70%, 56%, 87%
CMY	0.3018, 0.4430, 0.1332
CMYK	0.19, 0.36, 0.00, 0.13
HSL	267°, 54%, 71%
HSV	267°, 36%, 87%
XYZ	41.1019, 34.0472, 72.8369
YIQ	161.7700, -3.9030, 32.2010

Conversions

Conversions Part 2

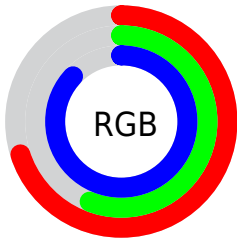
Format	Color
R _Y B	178, 142, 221
Decimal	11701981
CIE Lab	65.00, 28.97, -35.26
CIE LCh	65, 45.632, 309.403
Yxy	34.0472, 0.2777, 0.2301
Android (android.graphics.Color)	4289892061 (0xFFB28EDD)
YUV	161.7700, 29.2004, 14.2337
Hunter-Lab	58.3500, 23.6234, -33.1654

Details

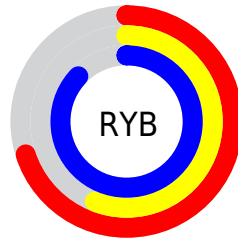
The CIELCh color $65, 45.632, 309.403$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84, 43.126, 125.782$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 33.944, 315.481$, and $45, 46.014, 309.427$ is the 20% darker color. If you saturate the color by 10%, you get $59, 58.956, 310.006$, and if you desaturate by 10%, it is $71, 32.452, 308.816$.

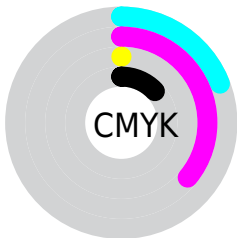
Distribution



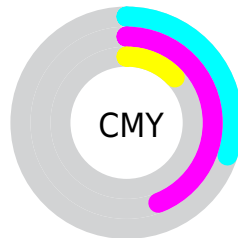
- Red (70%)
- Green (56%)
- Blue (87%)



- Red (70%)
- Yellow (56%)
- Blue (87%)



- Cyan (19%)
- Magenta (36%)
- Yellow (0%)
- Black (13%)





- Cyan (30%)
- Magenta (44%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 45.632, 309.403 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 65, 45.632, 309.403 by changing the saturation by 10% instead.


 65, 45.632,
309.403


 65, 45.632,
309.403


 100, 45.632,
309.403


 55, 45.632,
309.403


 85, 45.632,
309.403

 45, 45.632,
309.403

 95, 45.632,
309.403

 35, 45.632,
309.403

 25, 45.632,
309.403

 15, 45.632,
309.403

 5, 45.632, 309.403

 0, 45.632, 309.403

65, 45.632,
309.403

65, 45.632,
309.403

59, 58.956,
310.006

71, 32.452,
308.816

53, 72.165,
310.588

78, 19.563,
308.266

47, 84.805,
311.087

84, 7.031, 307.755

42, 96.170,
311.412

91, 5.116, 127.343

97, 16.875,
126.929

38, 105.318,
311.438

99, 17.285,
114.681

35, 111.329,
311.043

99, 17.177,
108.879

34, 113.233,
310.807

Harmonies

Complementary

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



65, 45.632, 309.403



84, 43.126, 125.782

Rectangle

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



65, 45.632, 309.403



65, 45.632, 359.403



65, 45.632, 129.403



65, 45.632, 179.403

Sweetspot

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



65, 45.630, 309.403



92, 15.246, 308.024



73, 23.186, 255.519



48, 10.265, 308.094



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 45.630, 309.403



69, 62.118, 309.861



69, 50.006, 324.908



43, 6.945, 307.940



26, 94.291, 310.989



3, 30.928, 307.659

Inverse Universe

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



68, 37.338, 344.613



74, 50.209, 345.509



82, 49.887, 140.667



43, 5.810, 342.053



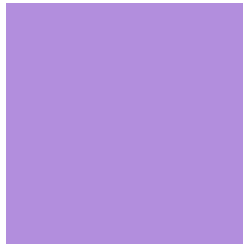
37, 64.151, 357.666



6, 25.569, 351.337

Previews

White Background



This preview shows how the CIELCh color 65, 45.632, 309.403 looks on a white background.

Color Contrast Check

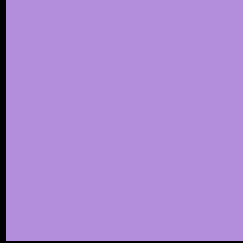
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 65, 45.632, 309.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

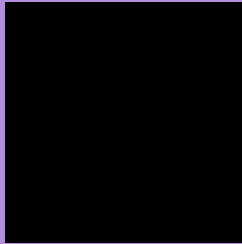
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 45.632, 309.403

Background



This preview shows how black text looks on a background with the CIELCh color 65, 45.632, 309.403.




This preview shows how white text looks on a background with the CIELCh color 65, 45.632, 309.403.

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
65, 9.066, 332.913

Trichromacy



Original Color
65, 45.632, 309.403

Protanomaly
65, 43.407, 294.176

Deuteranomaly
65, 37.876, 294.994

Tritanomaly
65, 21.807, 314.582

Monochromacy



Original Color
65, 45.632, 309.403

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 16.319, 308.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 45.632, 309.403 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(178, 142, 221)` looks like.

```
.text, #text, p{  
    color:rgb(178, 142, 221)  
}
```

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(178, 142, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 142, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 45.632, 309.403 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(178, 142, 221) }
```

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

```
.border{ border-color:rgb(178, 142, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 142, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 142, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 142, 221);  
box-shadow:4px 4px 4px 4px rgb(178, 142,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 45.632, 309.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 142, 221) }
```

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

```
.background{ background-color: rgb(178,  
142, 221) }
```

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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