

Converting Colors

CIELCh(49, 33.089, 306.873)

Have a look what the booklet for
CIELCh(49, 33.089, 306.873)
contains.

CIELCh(49, 32.699, 307.021)	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(49, 32.699, 307.021)

Conversions

Conversions Part 1

Format	Color
Hex	806BA1
RGB	128, 107, 161
RGB Percent	50%, 42%, 63%
CMY	0.4991, 0.5814, 0.3697
CMYK	0.21, 0.34, 0.00, 0.37
HSL	263°, 22%, 52%
HSV	263°, 34%, 63%
XYZ	20.5016, 17.5941, 35.9063
YIQ	119.4350, -4.8180, 21.2460

Conversions

Conversions Part 2

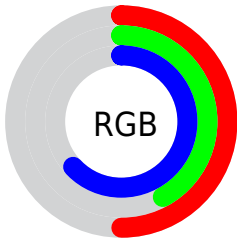
Format	Color
R_{YB}	128, 107, 161
Decimal	8416161
CIE _{Lab}	49.00, 19.69, -26.11
CIE _{LCh}	49, 32.699, 307.021
Yxy	17.5941, 0.2770, 0.2378
Android (android.graphics.Color)	4286606241 (0xFF806BA1)
YUV	119.4350, 20.4915, 7.5115
Hunter-Lab	41.9453, 13.8411, -21.3922

Details

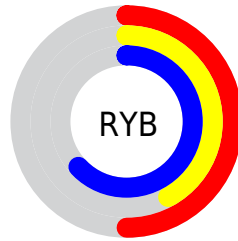
The CIELCh color $49, 32.699, 307.021$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $63, 30.842, 123.402$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 32.434, 307.087$, and $29, 32.903, 307.474$ is the 20% darker color. If you saturate the color by 10%, you get $44, 42.973, 307.707$, and if you desaturate by 10%, it is $54, 22.628, 306.377$.

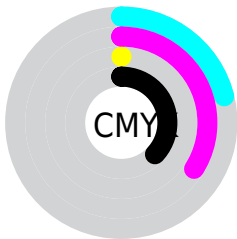
Distribution



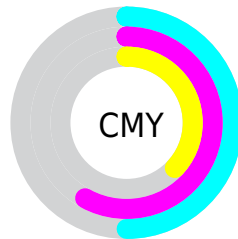
- Red (50%)
- Green (42%)
- Blue (63%)



- Red (50%)
- Yellow (42%)
- Blue (63%)



- Cyan (21%)
- Magenta (34%)
- Yellow (0%)
- Black (37%)





- Cyan (50%)
- Magenta (58%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 32.699, 307.021 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 49, 32.699, 307.021 by changing the saturation by 10% instead.


 49, 32.699,
307.021


 49, 32.699,
307.021


 100, 32.699,
307.021


 39, 32.699,
307.021

 69, 32.699,
307.021


 29, 32.699,
307.021

 79, 32.699,
307.021

 19, 32.699,
307.021

 89, 32.699,
307.021

 9, 32.699, 307.021

 99, 32.699,
307.021

 0, 32.699, 307.021

 49, 32.699,

 49, 32.699,

307.021

307.021

■ 44, 42.973,
307.707

■ 54, 22.628,
306.377

■ 39, 53.315,
308.409

■ 59, 12.831,
305.788

■ 35, 63.460,
309.077

■ 64, 3.336, 305.247

■ 30, 72.963,
309.630

■ 69, 5.852, 124.812

■ 27, 81.147,
309.950

■ 74, 14.739,
124.395


■ 24, 87.195,
309.894

■ 80, 23.338,
124.036

■ 22, 90.328,
309.781

■ 85, 31.661,
123.724

■ 90, 39.724,
123.455

 94, 47.543,
123.224

Harmonies

Complementary

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



49, 32.699, 307.021



63, 30.842, 123.402

Rectangle

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



49, 32.699, 307.021



49, 32.699, 357.021



49, 32.699, 127.021



49, 32.699, 177.021

Sweetspot

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



49, 32.698, 307.021



78, 11.641, 305.601



57, 16.064, 246.401



40, 7.942, 305.673



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



49, 32.698, 307.021



59, 48.702, 307.510



52, 35.737, 322.795



32, 5.374, 305.552



20, 83.826, 309.871



1, 8.201, 303.746

Inverse Universe

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



52, 28.261, 340.820



63, 41.549, 341.520



62, 35.469, 139.262



32, 4.768, 338.752



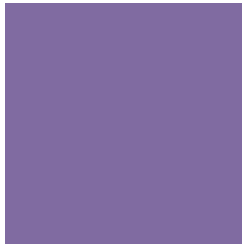
31, 57.984, 351.321



1, 7.066, 340.813

Previews

White Background



This preview shows how the CIELCh color 49, 32.699, 307.021 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 49, 32.699, 307.021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

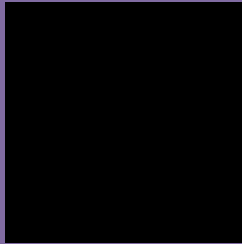
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 32.699, 307.021

Background



This preview shows how black text looks on a background with the CIELCh color 49, 32.699, 307.021.

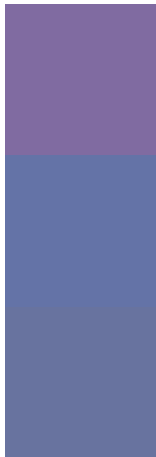


This preview shows how white text looks on a background with the CIELCh color 49, 32.699, 307.021.

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



Original Color
49, 32.699, 307.021

Protanopia
49, 30.695, 285.080

Deuteranopia
49, 25.966, 285.355



Tritanopia
49, 6.012, 318.422

Trichromacy



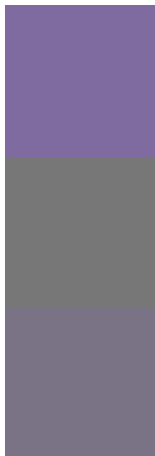
Original Color
49, 32.699, 307.021

Protanomaly
49, 31.141, 292.918

Deuteranomaly
49, 28.238, 294.462

Tritanomaly
49, 16.048, 308.604

Monochromacy



Original Color
49, 32.699, 307.021

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 11.514, 305.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 32.699, 307.021 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(128, 107, 161)` looks like.

```
.text, #text, p{  
    color:rgb(128, 107, 161)  
}
```

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(128, 107, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 107, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 32.699, 307.021 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(128, 107, 161) }
```

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

```
.border{ border-color:rgb(128, 107, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 107, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 107, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 107, 161);  
box-shadow:4px 4px 4px 4px rgb(128, 107,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 32.699, 307.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 107, 161) }
```

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

```
.background{ background-color: rgb(128,  
107, 161) }
```

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