

Converting Colors

CIELCh(25, 105.256, 307.857)

Have a look what the booklet for
CIELCh(25, 105.256, 307.857)
contains.

CIELCh(25, 105.171, 307.845)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(25, 105.171, 307.845)

Conversions

Conversions Part 1

Format	Color
Hex	3200BF
RGB	50, 0, 191
RGB Percent	20%, 0%, 75%
CMY	0.8052, 1.0000, 0.2518
CMYK	0.74, 1.00, 0.00, 0.25
HSL	256°, 100%, 37%
HSV	256°, 100%, 75%
XYZ	10.6765, 4.4155, 49.4577
YIQ	36.7240, -31.5110, 70.0010

Conversions

Conversions Part 2

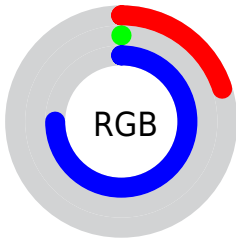
Format	Color
RYB	50, 0, 191
Decimal	3276991
CIELab	25.00, 64.53, -83.05
CIELCh	25, 105.171, 307.845
Yxy	4.4155, 0.1654, 0.0684
Android (android.graphics.Color)	4281467071 (0xFF3200BF)
YUV	36.7240, 76.0581, 11.6431
Hunter-Lab	21.0130, 53.9208, -124.8399

Details

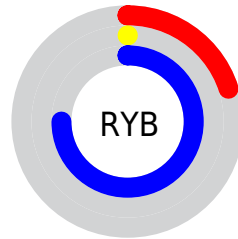
The CIELCh color **25, 105.171, 307.845** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **71, 81.241, 117.937**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 104.964, 307.833**, and **14, 83.870, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 105.106, 307.830**, and if you desaturate by 10%, it is **28, 99.574, 307.762**.

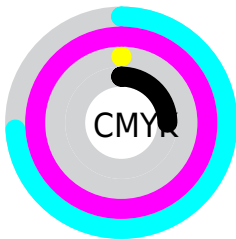
Distribution



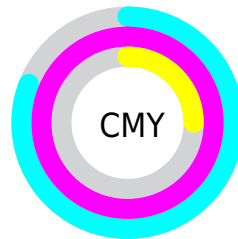
- Red (20%)
- Green (0%)
- Blue (75%)



- Red (20%)
- Yellow (0%)
- Blue (75%)



- Cyan (74%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (81%)
- Magenta (100%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 105.171, 307.845 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 25, 105.171, 307.845 by changing the saturation by 10% instead.


 25, 105.171,
307.845


 25, 105.171,
307.845


 100, 105.171,
307.845


 15, 105.171,
307.845


 45, 105.171,
307.845


 5, 105.171,
307.845

 55, 105.171,
307.845

 0, 105.171,
307.845

 65, 105.171,
307.845

 75, 105.171,
307.845

 85, 105.171,
307.845

 95, 105.171,

307.845

■ 25, 105.171,
307.845

■ 25, 105.171,
307.845

■ 25, 105.106,
307.830

■ 28, 99.574,
307.762

■ 31, 91.242,
307.298

■ 36, 80.635,
306.469

■ 41, 68.892,
305.464

■ 47, 56.788,
304.419

■ 53, 44.752,
303.415

■ 59, 32.994,
302.492

■ 65, 21.604,
301.666

■ 71, 10.610,
300.936

Harmonies

Complementary

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



25, 105.171, 307.845



71, 81.241, 117.937

Rectangle

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



25, 105.171, 307.845



25, 105.171, 357.845



25, 105.171, 127.845



25, 105.171, 177.845

Sweetspot

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



25, 105.106, 307.830



75, 40.774, 302.534



56, 36.806, 246.361



37, 28.254, 302.919



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



25, 105.106, 307.830



34, 127.974, 307.703



37, 95.440, 318.972



37, 5.952, 300.892



20, 91.310, 307.947



1, 17.615, 297.854

Inverse Universe

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



43, 76.162, 342.104



55, 92.306, 342.390



68, 93.765, 134.007



37, 5.893, 333.308



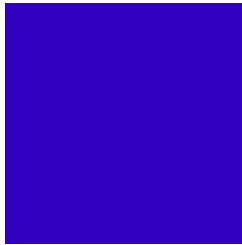
35, 66.438, 341.854



3, 16.653, 337.539

Previews

White Background



This preview shows how the CIE LCh color 25, 105.171, 307.845 looks on a white background.

Color Contrast Check

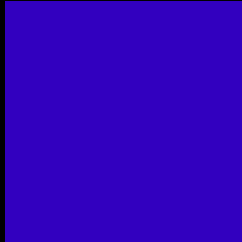
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 25, 105.171, 307.845 looks on a black 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

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

CIELCh 25, 105.171, 307.845

Background



This preview shows how black text looks on a background with the CIELCh color 25, 105.171, 307.845.



This preview shows how white text looks on a background with the CIELCh color 25, 105.171, 307.845.

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

25, 105.171, 307.845

Protanopia

26, 42.849, 284.367

Deuteranopia

26, 29.477, 268.969



Tritanopia
26, 19.125, 202.495

Trichromacy



Original Color
25, 105.171, 307.845

Protanomaly
23, 71.907, 300.677

Deuteranomaly
22, 63.054, 298.613

Tritanomaly
21, 47.614, 293.765

Monochromacy



Original Color
25, 105.171, 307.845

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 47.440, 306.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 105.171, 307.845 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(50, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(50, 0, 191)  
}
```

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(50, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 0, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 105.171, 307.845 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(50, 0, 191) }
```

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

```
.border{ border-color:rgb(50, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(50, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(50, 0, 191)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 105.171, 307.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 0, 191) }
```

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

```
.background{ background-color: rgb(50, 0,  
191) }
```

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