

Converting Colors

CIELCh(25, 105.392, 307.764)

Have a look what the booklet for
CIELCh(25, 105.392, 307.764)
contains.

CIELCh(25, 105.255, 307.787)	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, 105.255, 307.787)

Conversions

Conversions Part 1

Format	Color
Hex	3100BF
RGB	49, 0, 191
RGB Percent	19%, 0%, 75%
CMY	0.8078, 1.0000, 0.2509
CMYK	0.74, 1.00, 0.00, 0.25
HSL	255°, 100%, 37%
HSV	255°, 100%, 75%
XYZ	10.6721, 4.4155, 49.5849
YIQ	36.4250, -32.1070, 69.7890

Conversions

Conversions Part 2

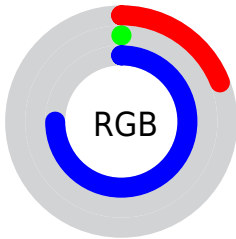
Format	Color
RYB	49, 0, 191
Decimal	3211455
CIELab	25.00, 64.49, -83.18
CIElCh	25, 105.255, 307.787
Yxy	4.4155, 0.1650, 0.0683
Android (android.graphics.Color)	4281401535 (0xFF3100BF)
YUV	36.4250, 76.2055, 11.0283
Hunter-Lab	21.0130, 53.8840, -125.1987

Details

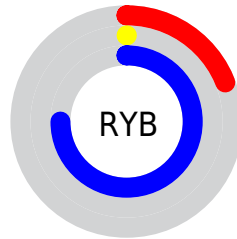
The CIELCh color **25, 105.255, 307.787** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **72, 81.225, 117.745**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 105.496, 307.825**, and **14, 83.870, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 105.258, 307.788**, and if you desaturate by 10%, it is **28, 99.716, 307.709**.

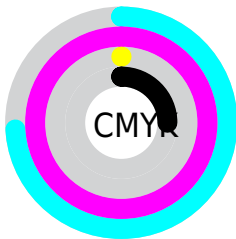
Distribution



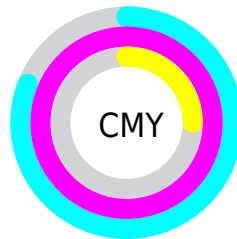
- Red (19%)
- Green (0%)
- Blue (75%)



- Red (19%)
- 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, 105.255, 307.787 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, 105.255, 307.787 by changing the saturation by 10% instead.


 25, 105.255,
307.787


 25, 105.255,
307.787


 100, 105.255,
307.787


 15, 105.255,
307.787


 45, 105.255,
307.787


 5, 105.255,
307.787

 55, 105.255,
307.787

 0, 105.255,
307.787

 65, 105.255,
307.787

 75, 105.255,
307.787

 85, 105.255,
307.787

 95, 105.255,

307.787

■ 25, 105.255,
307.787

■ 25, 105.255,
307.787

■ 25, 105.258,
307.788

■ 28, 99.716,
307.709

■ 31, 91.361,
307.231

■ 36, 80.727,
306.387

■ 41, 68.958,
305.368

■ 47, 56.833,
304.311

■ 53, 44.782,
303.297

■ 59, 33.013,
302.366

■ 65, 21.615,
301.533

■ 71, 10.613,
300.798

Harmonies

Complementary

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



25, 105.255, 307.787



72, 81.225, 117.745

Rectangle

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



25, 105.255, 307.787



25, 105.255, 357.787



25, 105.255, 127.787



25, 105.255, 177.787

Sweetspot

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



25, 105.257, 307.788



75, 40.761, 302.408



56, 36.839, 246.364



37, 28.247, 302.796



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, 105.257, 307.788



34, 128.046, 307.663



37, 95.522, 318.971



37, 5.950, 300.753



20, 91.363, 307.905



1, 17.611, 297.751

Inverse Universe

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



43, 76.424, 341.847



55, 92.548, 342.126



68, 93.847, 134.008



37, 5.908, 333.164



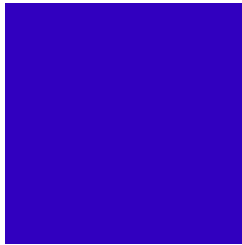
35, 66.609, 341.602



3, 16.709, 337.328

Previews

White Background



This preview shows how the CIE LCh color 25, 105.255, 307.787 looks on a white background.

Color Contrast Check

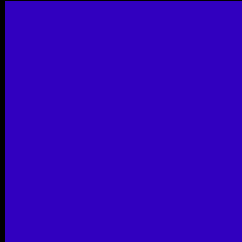
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.255, 307.787 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, 105.255, 307.787

Background



This preview shows how black text looks on a background with the CIELCh color 25, 105.255, 307.787.



This preview shows how white text looks on a background with the CIELCh color 25, 105.255,

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, 105.255, 307.787

Protanopia

26, 42.849, 284.367

Deuteranopia

26, 29.477, 268.969



Tritanopia
26, 19.125, 202.495

Trichromacy



Original Color
25, 105.255, 307.787

Protanomaly
23, 71.907, 300.677

Deuteranomaly
22, 63.054, 298.613

Tritanomaly
21, 47.614, 293.765

Monochromacy



Original Color
25, 105.255, 307.787

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 47.524, 306.467

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 105.255, 307.787 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(49, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(49, 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(49, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 0, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 105.255, 307.787 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(49, 0, 191) }
```

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

```
.border{ border-color:rgb(49, 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(49, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(49, 0, 191)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 105.255, 307.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 0, 191) }
```

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

```
.background{ background-color: rgb(49, 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