

Converting Colors

CIELCh(25, 105.484, 307.702)

Have a look what the booklet for
CIELCh(25, 105.484, 307.702)
contains.

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Color

CIELCh(25, 105.338, 307.731)

Conversions

Conversions Part 1

Format	Color
Hex	3000BF
RGB	48, 0, 191
RGB Percent	19%, 0%, 75%
CMY	0.8103, 0.9988, 0.2501
CMYK	0.75, 1.00, 0.00, 0.25
HSL	255°, 100%, 38%
HSV	255°, 100%, 75%
XYZ	10.6681, 4.4155, 49.7094
YIQ	36.1260, -32.7030, 69.5770

Conversions

Conversions Part 2

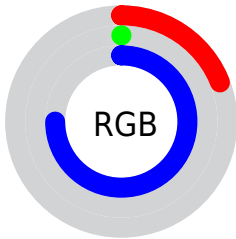
Format	Color
RYB	48, 0, 191
Decimal	3145919
CIELab	25.00, 64.46, -83.31
CIElCh	25, 105.338, 307.731
Yxy	4.4155, 0.1646, 0.0681
Android (android.graphics.Color)	4281335999 (0xFF3000BF)
YUV	36.1260, 76.3529, 10.4135
Hunter-Lab	21.0130, 53.8496, -125.5499

Details

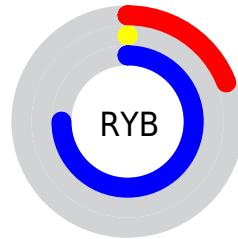
The CIELCh color **25, 105.338, 307.731** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **72, 81.144, 117.484**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 105.546, 307.712**, and **14, 83.870, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 105.424, 307.735**, and if you desaturate by 10%, it is **28, 99.766, 307.637**.

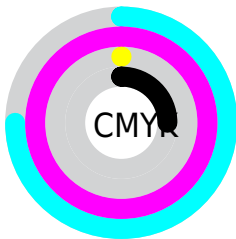
Distribution



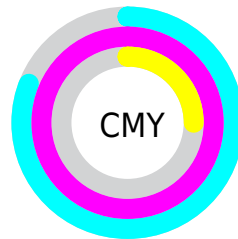
- Red (19%)
- Green (0%)
- Blue (75%)



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



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 105.338, 307.731 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, 105.338, 307.731 by changing the saturation by 10% instead.


 25, 105.338,
307.731


 25, 105.338,
307.731


 100, 105.338,
307.731


 15, 105.338,
307.731


 45, 105.338,
307.731


 5, 105.338,
307.731

 55, 105.338,
307.731

 0, 105.338,
307.731

 65, 105.338,
307.731

 75, 105.338,
307.731

 85, 105.338,
307.731

 95, 105.338,

307.731

■ 25, 105.338,
307.731

■ 25, 105.338,
307.731

■ 25, 105.424,
307.735

■ 28, 99.766,
307.637

■ 31, 91.338,
307.133

■ 36, 80.645,
306.267

■ 41, 68.837,
305.228

■ 47, 56.688,
304.156

■ 53, 44.623,
303.130

■ 59, 32.849,
302.189

■ 65, 21.448,
301.349

■ 71, 10.448,
300.609

Harmonies

Complementary

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



25, 105.338, 307.731



72, 81.144, 117.484

Rectangle

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



25, 105.338, 307.731



25, 105.338, 357.731



25, 105.338, 127.731



25, 105.338, 177.731

Sweetspot

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



25, 105.340, 307.732



75, 40.745, 302.246



56, 36.847, 246.300



37, 28.237, 302.638



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, 105.340, 307.732



33, 128.138, 307.612



37, 95.557, 318.978



37, 5.946, 300.574



20, 91.431, 307.851



1, 17.605, 297.618

Inverse Universe

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



43, 76.735, 341.496



55, 92.863, 341.789



68, 93.876, 134.003



37, 5.929, 332.978



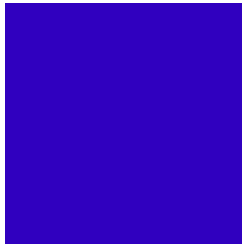
35, 66.832, 341.279



3, 16.783, 337.056

Previews

White Background



This preview shows how the CIE LCh color 25, 105.338, 307.731 looks on a white background.

Color Contrast Check

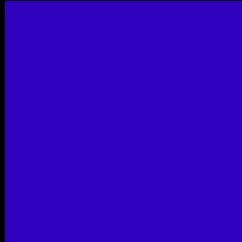
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.338, 307.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

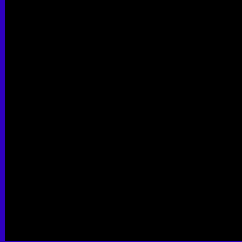
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 105.338, 307.731

Background



This preview shows how black text looks on a background with the CIELCh color 25, 105.338, 307.731.



This preview shows how white text looks on a background with the CIELCh color 25, 105.338, 307.731.

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, 105.338, 307.731

Protanopia

26, 42.849, 284.367

Deuteranopia

26, 29.477, 268.969



Tritanopia
26, 18.834, 204.688

Trichromacy



Original Color
25, 105.338, 307.731

Protanomaly
23, 71.907, 300.677

Deuteranomaly
22, 63.054, 298.613

Tritanomaly
20, 48.335, 294.324

Monochromacy



Original Color
25, 105.338, 307.731

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 47.565, 306.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 105.338, 307.731 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(48, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(48, 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(48, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 0, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 105.338, 307.731 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(48, 0, 191) }
```

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

```
.border{ border-color:rgb(48, 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(48, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(48, 0, 191)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 105.338, 307.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 0, 191) }
```

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

```
.background{ background-color: rgb(48, 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](#).

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