

Converting Colors

CIELCh(25, 105.691, 307.770)

Have a look what the booklet for
CIELCh(25, 105.691, 307.770)
contains.

CIELCh(25, 105.774, 307.714)	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, 105.774, 307.714)

Conversions

Conversions Part 1

Format	Color
Hex	3000C0
RGB	48, 0, 192
RGB Percent	19%, 0%, 75%
CMY	0.8128, 1.0000, 0.2477
CMYK	0.75, 1.00, 0.00, 0.25
HSL	255°, 100%, 38%
HSV	255°, 100%, 75%
XYZ	10.7002, 4.4155, 50.0627
YIQ	36.2400, -33.0240, 69.8880

Conversions

Conversions Part 2

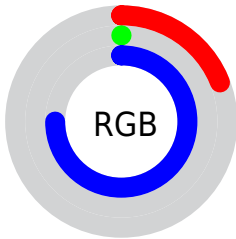
Format	Color
R_{YB}	48, 0, 192
Decimal	3145920
CIE _{Lab}	25.00, 64.70, -83.68
CIE _{LCh}	25, 105.774, 307.714
Yxy	4.4155, 0.1642, 0.0677
Android (android.graphics.Color)	4281336000 (0xFF3000C0)
YUV	36.2400, 76.7897, 10.3135
Hunter-Lab	21.0130, 54.1226, -126.5469

Details

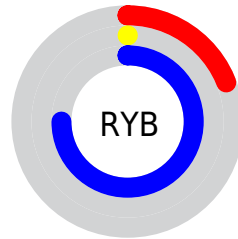
The CIELCh color **25, 105.774, 307.714** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **72, 81.314, 117.349**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 105.985, 307.799**, and **14, 84.316, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 105.724, 307.703**, and if you desaturate by 10%, it is **28, 100.167, 307.601**.

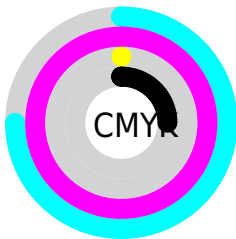
Distribution



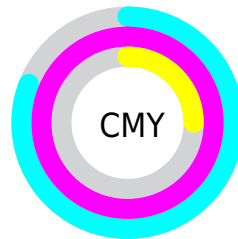
- Red (19%)
- Green (0%)
- Blue (75%)



- 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, 105.774, 307.714 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, 105.774, 307.714 by changing the saturation by 10% instead.


 25, 105.774,
307.714


 25, 105.774,
307.714


 100, 105.774,
307.714


 15, 105.774,
307.714


 45, 105.774,
307.714


 5, 105.774,
307.714


 55, 105.774,
307.714

 0, 105.774,
307.714

 65, 105.774,
307.714

 75, 105.774,
307.714

 85, 105.774,
307.714

 95, 105.774,

307.714

■ 25, 105.774,
307.714

■ 25, 105.774,
307.714

■ 25, 105.724,
307.703

■ 28, 100.167,
307.601

■ 31, 91.757,
307.095

■ 36, 81.051,
306.221

■ 41, 69.212,
305.173

■ 47, 57.025,
304.091

■ 53, 44.923,
303.055

■ 59, 33.111,
302.107

■ 65, 21.676,
301.259

■ 72, 10.643,
300.513

Harmonies

Complementary

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



25, 105.774, 307.714



72, 81.314, 117.349

Rectangle

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



25, 105.774, 307.714



25, 105.774, 357.714



25, 105.774, 127.714



25, 105.774, 177.714

Sweetspot

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



25, 105.724, 307.703



75, 41.077, 302.150



57, 36.336, 242.880



37, 28.231, 302.543



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, 105.724, 307.703



34, 129.199, 307.579



37, 96.106, 318.415



38, 6.077, 300.469



20, 92.567, 307.808



1, 19.667, 297.828

Inverse Universe

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



43, 77.083, 341.327



56, 93.770, 341.598



68, 93.848, 133.754



38, 6.074, 332.870



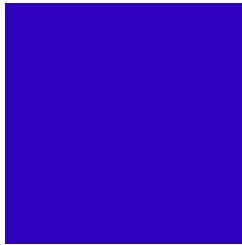
36, 67.744, 341.109



4, 19.121, 337.239

Previews

White Background



This preview shows how the CIE LCh color 25, 105.774, 307.714 looks on a white background.

Color Contrast Check

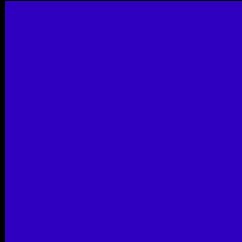
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.774, 307.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

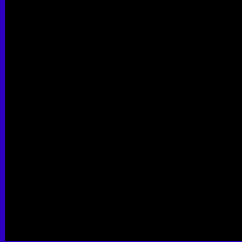
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 105.774, 307.714

Background



This preview shows how black text looks on a background with the CIELCh color 25, 105.774, 307.714.



This preview shows how white text looks on a background with the CIELCh color 25, 105.774, 307.714.

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, 105.774, 307.714

Protanopia

26, 42.849, 284.367

Deuteranopia

26, 29.477, 268.969



Tritanopia
26, 19.125, 202.495

Trichromacy



Original Color
25, 105.774, 307.714

Protanomaly
23, 71.928, 300.619

Deuteranomaly
22, 63.072, 298.535

Tritanomaly
21, 48.253, 293.849

Monochromacy



Original Color
25, 105.774, 307.714

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 48.171, 306.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 105.774, 307.714 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, 192)` looks like.

```
.text, #text, p{  
    color:rgb(48, 0, 192)  
}
```

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, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 0, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 105.774, 307.714 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, 192) }
```

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

```
.border{ border-color:rgb(48, 0, 192) }
```

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, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 0, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 0, 192);  
box-shadow:4px 4px 4px 4px rgb(48, 0, 192)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 105.774, 307.714 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, 192) }
```

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

```
.background{ background-color: rgb(48, 0,  
192) }
```

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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