

Converting Colors

CIELCh(25, 99.390, 307.558)

Have a look what the booklet for
CIELCh(25, 99.390, 307.558)
contains.

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Color

CIELCh(25, 99.511, 307.509)

Conversions

Conversions Part 1

Format	Color
Hex	340BB8
RGB	52, 11, 184
RGB Percent	20%, 4%, 72%
CMY	0.7968, 0.9577, 0.2789
CMYK	0.72, 0.94, 0.00, 0.28
HSL	254°, 89%, 38%
HSV	254°, 94%, 72%
XYZ	10.1626, 4.4155, 45.5937
YIQ	42.9810, -31.0970, 62.4950

Conversions

Conversions Part 2

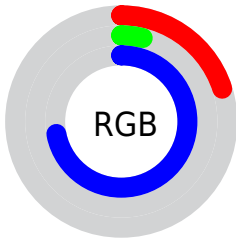
Format	Color
R_{YB}	52, 11, 184
Decimal	3410872
CIE _{Lab}	25.00, 60.59, -78.94
CIE _{LCh}	25, 99.511, 307.509
Yxy	4.4155, 0.1689, 0.0734
Android (android.graphics.Color)	4281600952 (0xFF340BB8)
YUV	42.9810, 69.5224, 7.9097
Hunter-Lab	21.0130, 49.5555, -113.9371

Details

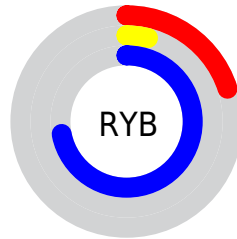
The CIELCh color **25, 99.511, 307.509** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **70, 77.056, 116.251**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 99.045, 307.469**, and **13, 80.724, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 102.582, 307.604**, and if you desaturate by 10%, it is **28, 92.534, 307.158**.

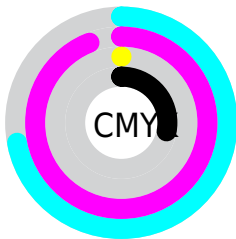
Distribution



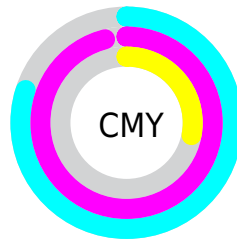
- Red (20%)
- Green (4%)
- Blue (72%)



- Red (20%)
- Yellow (4%)
- Blue (72%)



- Cyan (72%)
- Magenta (94%)
- Yellow (0%)
- Black (28%)





- Cyan (80%)
- Magenta (96%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 99.511, 307.509 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, 99.511, 307.509 by changing the saturation by 10% instead.

 25, 99.511,
307.509


 25, 99.511,
307.509

 100, 99.511,
307.509


 15, 99.511,
307.509


 45, 99.511,
307.509


 5, 99.511, 307.509

 55, 99.511,
307.509

 0, 99.511, 307.509

 65, 99.511,
307.509

 75, 99.511,
307.509

 85, 99.511,
307.509

 95, 99.511,

307.509

■ 25, 99.511,
307.509

■ 25, 99.511,
307.509

■ 24, 102.582,
307.604

■ 28, 92.534,
307.158

■ 32, 82.851,
306.358

■ 37, 71.681,
305.315

■ 43, 59.940,
304.195

■ 49, 48.164,
303.102

■ 54, 36.620,
302.090

■ 60, 25.424,
301.180

■ 66, 14.616,
300.377

■ 72, 4.198, 299.672

Harmonies

Complementary

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



25, 99.511, 307.509



70, 77.056, 116.251

Rectangle

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



25, 99.511, 307.509



25, 99.511, 357.509



25, 99.511, 127.509



25, 99.511, 177.509

Sweetspot

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



25, 99.512, 307.510



74, 36.890, 301.562



55, 34.487, 240.279



36, 25.651, 301.959



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



25, 99.512, 307.510



32, 125.368, 307.478



36, 91.351, 318.751



36, 5.804, 300.028



19, 90.530, 307.704



1, 15.520, 297.125

Inverse Universe

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



42, 74.897, 339.717



54, 91.665, 340.756



66, 88.948, 133.427



36, 5.857, 332.421



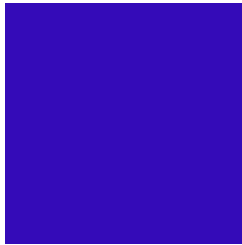
35, 66.737, 340.297



3, 14.864, 335.871

Previews

White Background



This preview shows how the CIE LCh color 25, 99.511, 307.509 looks on a white background.

Color Contrast Check

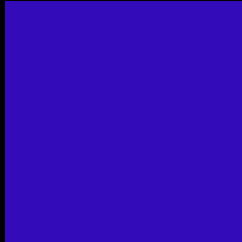
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.511, 307.509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

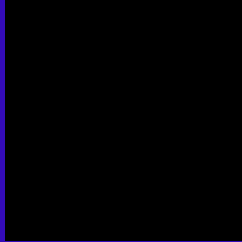
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 99.511, 307.509

Background



This preview shows how black text looks on a background with the CIELCh color 25, 99.511, 307.509.



This preview shows how white text looks on a background with the CIELCh color 25, 99.511, 307.509.

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, 99.511, 307.509

Protanopia

25, 42.312, 284.317

Deuteranopia

25, 28.927, 268.559



Tritanopia
25, 18.645, 204.793

Trichromacy



Original Color
25, 99.511, 307.509

Protanomaly
23, 67.673, 299.515

Deuteranomaly
22, 58.596, 297.048

Tritanomaly
21, 43.565, 291.352

Monochromacy



Original Color
25, 99.511, 307.509

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 43.190, 305.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 99.511, 307.509 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(52, 11, 184)` looks like.

```
.text, #text, p{  
    color:rgb(52, 11, 184)  
}
```

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(52, 11, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 11, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 99.511, 307.509 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(52, 11, 184) }
```

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

```
.border{ border-color:rgb(52, 11, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 11, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 11, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 11, 184);  
box-shadow:4px 4px 4px 4px rgb(52, 11,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 99.511, 307.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 11, 184) }
```

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

```
.background{ background-color: rgb(52, 11,  
184) }
```

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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