

Converting Colors

CIELCh(25, 52.442, 345.729)

Have a look what the booklet for
CIELCh(25, 52.442, 345.729)
contains.

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Color

CIELCh(25, 51.915, 345.604)

Conversions

Conversions Part 1

Format	Color
Hex	760050
RGB	118, 0, 80
RGB Percent	46%, 0%, 31%
CMY	0.5378, 1.0000, 0.6867
CMYK	0.00, 1.00, 0.32, 0.54
HSL	319°, 100%, 23%
HSV	319°, 100%, 46%
XYZ	8.8952, 4.4155, 7.9513
YIQ	44.4020, 44.6480, 49.8960

Conversions

Conversions Part 2

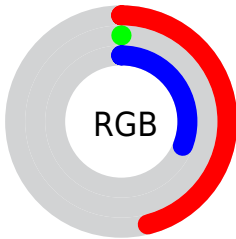
Format	Color
R_{YB}	118, 0, 80
Decimal	7733328
CIE _{Lab}	25.00, 50.28, -12.91
CIE _{LCh}	25, 51.915, 345.604
Yxy	4.4155, 0.4184, 0.2077
Android (android.graphics.Color)	4285923408 (0xFF760050)
YUV	44.4020, 17.5498, 64.5454
Hunter-Lab	21.0130, 38.7898, -7.7262

Details

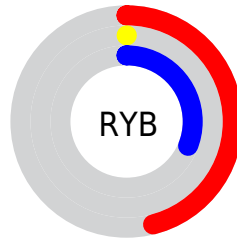
The CIELCh color **25, 51.915, 345.604** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **43, 57.836, 142.724**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 51.791, 345.835**, and **11, 32.679, 353.628** is the 20% darker color. If you saturate the color by 10%, you get **25, 51.869, 345.616**, and if you desaturate by 10%, it is **26, 50.405, 343.918**.

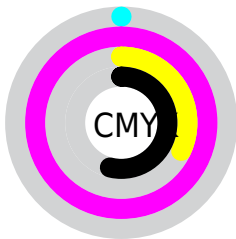
Distribution



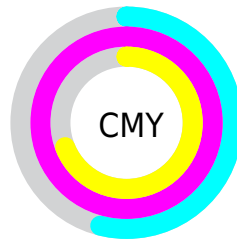
- Red (46%)
- Green (0%)
- Blue (31%)



- Red (46%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (54%)





- Cyan (54%)
- Magenta (100%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 51.915, 345.604 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, 51.915, 345.604 by changing the saturation by 10% instead.

 25, 51.915,
345.604


 25, 51.915,
345.604


 100, 51.915,
345.604


 15, 51.915,
345.604


 45, 51.915,
345.604


 5, 51.915, 345.604

 55, 51.915,
345.604

 0, 51.915, 345.604

 65, 51.915,
345.604

 75, 51.915,
345.604

 85, 51.915,
345.604

 95, 51.915,

345.604

■ 25, 51.915,
345.604

■ 25, 51.915,
345.604

■ 25, 51.869,
345.616

■ 26, 50.405,
343.918

■ 27, 48.071,
342.387

■ 29, 44.330,
341.101

■ 31, 39.406,
339.993

■ 34, 33.600,
339.013

■ 37, 27.211,
338.127

■ 40, 20.490,
337.312

■ 43, 13.632,
336.552

■ 46, 6.773, 335.829

Harmonies

Complementary

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



25, 51.915, 345.604



43, 57.836, 142.724

Rectangle

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



25, 51.915, 345.604



25, 51.915, 35.604



25, 51.915, 165.604



25, 51.915, 215.604

Sweetspot

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



25, 51.869, 345.616



51, 25.368, 337.371



14, 72.858, 308.928



24, 17.192, 337.634



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



25, 51.869, 345.616



33, 62.356, 346.202



23, 52.043, 28.322



23, 3.794, 335.759



26, 53.249, 345.708



55, 89.341, 347.022

Inverse Universe

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



25, 51.869, 345.616



33, 62.356, 346.202



44, 34.111, 173.318



23, 3.794, 335.759



26, 53.249, 345.708



55, 89.341, 347.022

Previews

White Background



This preview shows how the CIELCh color 25, 51.915, 345.604 looks on a white background.

Color Contrast Check

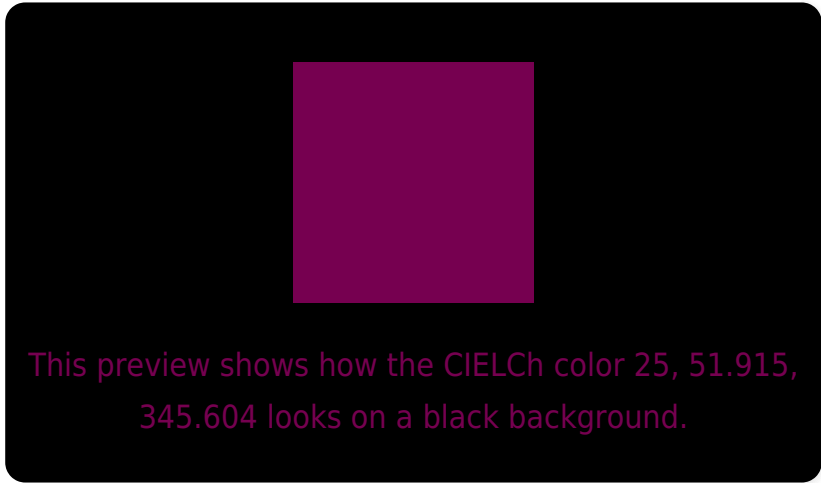
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 51.915, 345.604

Background



This preview shows how black text looks on a background with the CIELCh color 25, 51.915, 345.604.



This preview shows how white text looks on a background with the CIELCh color 25, 51.915, 345.604.

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, 51.915, 345.604

Protanopia

27, 34.724, 285.874

Deuteranopia

27, 8.546, 297.477



Tritanopia
26, 41.588, 29.231

Trichromacy



Original Color
25, 51.915, 345.604

Protanomaly
22, 42.471, 309.913

Deuteranomaly
23, 30.336, 332.081

Tritanomaly
25, 42.949, 10.110

Monochromacy



Original Color
25, 51.915, 345.604

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 26.344, 339.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 51.915, 345.604 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(118, 0, 80)` looks like.

```
.text, #text, p{  
    color:rgb(118, 0, 80)  
}
```

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(118, 0, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 0, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 51.915, 345.604 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(118, 0, 80) }
```

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

```
.border{ border-color:rgb(118, 0, 80) }
```

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

Here you see how a box with a 4 pixel rgb(118, 0, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(118, 0, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 51.915, 345.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 0, 80) }
```

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

```
.background{ background-color: rgb(118, 0,  
80) }
```

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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