

Converting Colors

CIELCh(25, 53.108, 342.609)

Have a look what the booklet for
CIELCh(25, 53.108, 342.609)
contains.

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Color

CIELCh(25, 52.914, 342.799)

Conversions

Conversions Part 1

Format	Color
Hex	750054
RGB	117, 0, 84
RGB Percent	46%, 0%, 33%
CMY	0.5414, 1.0000, 0.6708
CMYK	0.00, 1.00, 0.28, 0.54
HSL	317°, 100%, 23%
HSV	317°, 100%, 46%
XYZ	8.9261, 4.4155, 8.7593
YIQ	44.5590, 42.7680, 50.9280

Conversions

Conversions Part 2

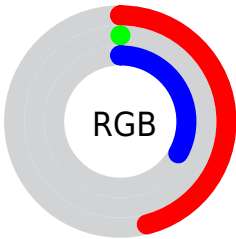
Format	Color
R_{YB}	117, 0, 84
Decimal	7667796
CIE _{Lab}	25.00, 50.55, -15.65
CIE _{LCh}	25, 52.914, 342.799
Yxy	4.4155, 0.4039, 0.1998
Android (android.graphics.Color)	4285857876 (0xFF750054)
YUV	44.5590, 19.4444, 63.5308
Hunter-Lab	21.0130, 39.0522, -10.0060

Details

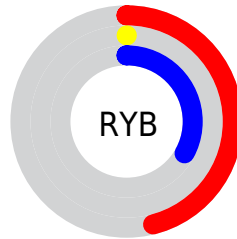
The CIELCh color **25, 52.914, 342.799** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **42, 59.185, 141.465**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 52.987, 342.788**, and **11, 33.384, 348.314** is the 20% darker color. If you saturate the color by 10%, you get **25, 52.894, 342.803**, and if you desaturate by 10%, it is **26, 51.378, 341.394**.

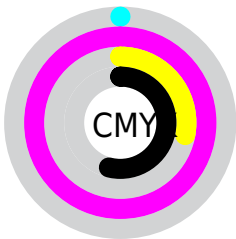
Distribution



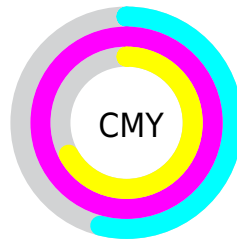
- Red (46%)
- Green (0%)
- Blue (33%)



- Red (46%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (54%)





- Cyan (54%)
- Magenta (100%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 52.914, 342.799 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, 52.914, 342.799 by changing the saturation by 10% instead.

 25, 52.914,
342.799


 25, 52.914,
342.799

 100, 52.914,
342.799


 15, 52.914,
342.799


 45, 52.914,
342.799


 5, 52.914, 342.799

 55, 52.914,
342.799

 0, 52.914, 342.799

 65, 52.914,
342.799

 75, 52.914,
342.799

 85, 52.914,
342.799

 95, 52.914,

342.799

■ 25, 52.914,
342.799

■ 25, 52.914,
342.799

■ 25, 52.894,
342.803

■ 26, 51.378,
341.394

■ 27, 48.987,
340.107

■ 29, 45.177,
339.003

■ 31, 40.173,
338.030

■ 34, 34.272,
337.151

■ 36, 27.771,
336.341

■ 39, 20.924,
335.584

■ 43, 13.929,
334.868

■ 46, 6.925, 334.180

Harmonies

Complementary

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



25, 52.914, 342.799



42, 59.185, 141.465

Rectangle

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



25, 52.914, 342.799



25, 52.914, 32.799



25, 52.914, 162.799



25, 52.914, 212.799

Sweetspot

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



25, 52.894, 342.803



51, 26.073, 335.641



13, 73.064, 308.268



24, 17.666, 335.886



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, 52.894, 342.803



34, 63.951, 343.297



23, 50.249, 24.331



23, 3.905, 334.114



26, 54.601, 342.894



56, 91.648, 343.967

Inverse Universe

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



25, 52.894, 342.803



34, 63.951, 343.297



43, 36.051, 168.469



23, 3.905, 334.114



26, 54.601, 342.894



56, 91.648, 343.967

Previews

White Background



This preview shows how the CIELCh color 25, 52.914, 342.799 looks on a white background.

Color Contrast Check

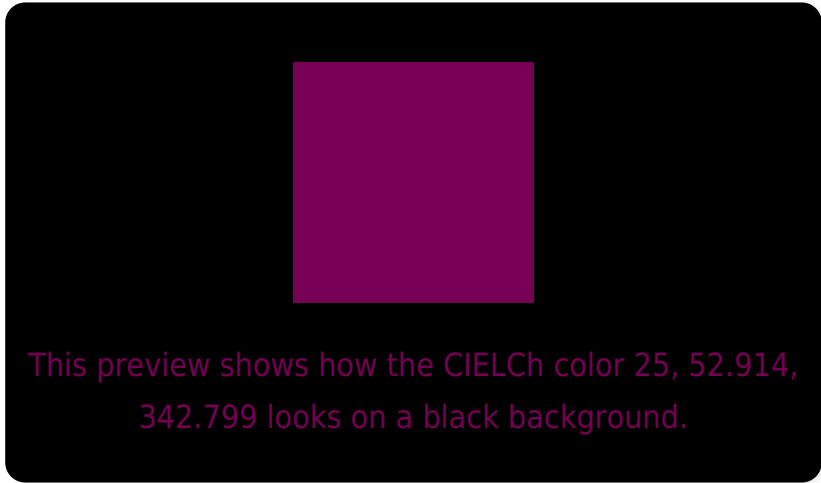
Large Text (above 18pt) WCAG AA ✓ Pass

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

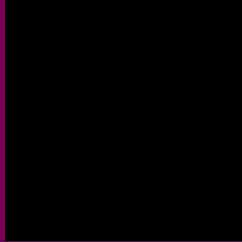
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 52.914, 342.799

Background



This preview shows how black text looks on a background with the CIELCh color 25, 52.914, 342.799.



This preview shows how white text looks on a background with the CIELCh color 25, 52.914, 342.799.

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, 52.914, 342.799

Protanopia

27, 38.586, 286.288

Deuteranopia

27, 10.449, 290.022



Tritanopia
26, 39.889, 27.897

Trichromacy



Original Color
25, 52.914, 342.799

Protanomaly
22, 45.444, 307.537

Deuteranomaly
23, 31.240, 327.604

Tritanomaly
25, 41.932, 6.990

Monochromacy



Original Color
25, 52.914, 342.799

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 26.483, 337.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 52.914, 342.799 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(117, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(117, 0, 84)  
}
```

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(117, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 0, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 52.914, 342.799 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(117, 0, 84) }
```

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

```
.border{ border-color:rgb(117, 0, 84) }
```

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

Here you see how a box with a 4 pixel rgb(117, 0, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(117, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 52.914, 342.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 0, 84) }
```

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

```
.background{ background-color: rgb(117, 0,  
84) }
```

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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