

Converting Colors

CIELCh(25, 53.498, 341.532)

Have a look what the booklet for
CIELCh(25, 53.498, 341.532)
contains.

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Color

CIELCh(25, 53.513, 341.667)

Conversions

Conversions Part 1

Format	Color
Hex	750056
RGB	117, 0, 86
RGB Percent	46%, 0%, 34%
CMY	0.5424, 1.0000, 0.6639
CMYK	0.00, 1.00, 0.27, 0.54
HSL	316°, 100%, 23%
HSV	316°, 100%, 46%
XYZ	8.9556, 4.4155, 9.1246
YIQ	44.7870, 42.1260, 51.5500

Conversions

Conversions Part 2

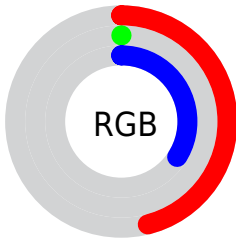
Format	Color
R_{YB}	117, 0, 86
Decimal	7667798
CIE Lab	25.00, 50.80, -16.83
CIE LCh	25, 53.513, 341.667
Yxy	4.4155, 0.3981, 0.1963
Android (android.graphics.Color)	4285857878 (0xFF750056)
YUV	44.7870, 20.3180, 63.3308
Hunter-Lab	21.0130, 39.3023, -11.0368

Details

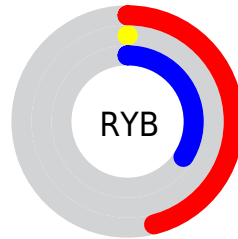
The CIELCh color **25, 53.513, 341.667** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **42, 59.757, 140.976**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 53.593, 341.763**, and **11, 33.928, 346.169** is the 20% darker color. If you saturate the color by 10%, you get **25, 53.396, 341.688**, and if you desaturate by 10%, it is **26, 51.851, 340.391**.

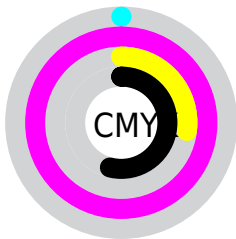
Distribution



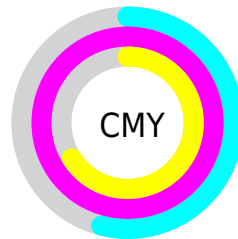
- Red (46%)
- Green (0%)
- Blue (34%)



- Red (46%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (54%)





- Cyan (54%)
- Magenta (100%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 53.513, 341.667 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, 53.513, 341.667 by changing the saturation by 10% instead.

 25, 53.513,
341.667


 25, 53.513,
341.667

 100, 53.513,
341.667


 15, 53.513,
341.667


 45, 53.513,
341.667

 5, 53.513, 341.667

 55, 53.513,
341.667

 0, 53.513, 341.667

 65, 53.513,
341.667

 75, 53.513,
341.667

 85, 53.513,
341.667

 95, 53.513,

341.667

■ 25, 53.513,
341.667

■ 25, 53.513,
341.667

■ 25, 53.396,
341.688

■ 26, 51.851,
340.391

■ 27, 49.429,
339.199

■ 29, 45.584,
338.166

■ 31, 40.538,
337.246

■ 33, 34.589,
336.407

■ 36, 28.034,
335.626

■ 39, 21.128,
334.891

■ 42, 14.068,
334.193

■ 46, 6.995, 333.518

Harmonies

Complementary

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



25, 53.513, 341.667



42, 59.757, 140.976

Rectangle

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



25, 53.513, 341.667



25, 53.513, 31.667



25, 53.513, 161.667



25, 53.513, 211.667

Sweetspot

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



25, 53.396, 341.688



50, 26.016, 334.944



13, 73.137, 308.072



24, 17.870, 335.186



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, 53.396, 341.688



33, 63.896, 342.118



23, 49.726, 22.925



23, 3.952, 333.454



26, 55.209, 341.775



56, 92.696, 342.753

Inverse Universe

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



25, 53.396, 341.688



33, 63.896, 342.118



43, 36.736, 166.975



23, 3.952, 333.454



26, 55.209, 341.775



56, 92.696, 342.753

Previews

White Background



This preview shows how the CIELCh color 25, 53.513, 341.667 looks on a white background.

Color Contrast Check

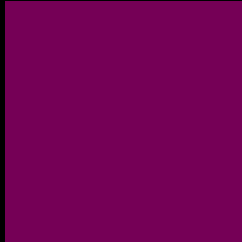
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 25, 53.513, 341.667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

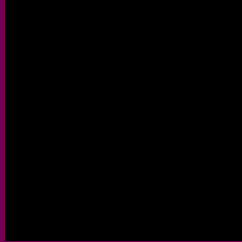
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 53.513, 341.667

Background



This preview shows how black text looks on a background with the CIELCh color 25, 53.513, 341.667.



This preview shows how white text looks on a background with the CIELCh color 25, 53.513, 341.667.

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, 53.513, 341.667

Protanopia

27, 39.884, 286.286

Deuteranopia

27, 11.762, 288.609



Tritanopia
26, 39.589, 28.467

Trichromacy



Original Color
25, 53.513, 341.667

Protanomaly
22, 46.658, 306.591

Deuteranomaly
23, 32.239, 326.243

Tritanomaly
25, 41.626, 7.270

Monochromacy



Original Color
25, 53.513, 341.667

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 26.899, 336.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 53.513, 341.667 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(117, 0, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 0, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 53.513, 341.667 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, 86) }
```

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

```
.border{ border-color:rgb(117, 0, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(117, 0, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 53.513, 341.667 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, 86) }
```

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

```
.background{ background-color: rgb(117, 0,  
86) }
```

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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