

Converting Colors

CIELCh(25, 51.822, 347.239)

Have a look what the booklet for
CIELCh(25, 51.822, 347.239)
contains.

CIELCh(25, 51.542, 347.281)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(25, 51.542, 347.281)

Conversions

Conversions Part 1

Format	Color
Hex	77004E
RGB	119, 0, 78
RGB Percent	47%, 0%, 31%
CMY	0.5352, 1.0000, 0.6957
CMYK	0.00, 1.00, 0.35, 0.54
HSL	321°, 100%, 23%
HSV	321°, 100%, 46%
XYZ	8.8943, 4.4155, 7.5147
YIQ	44.4730, 45.8860, 49.4860

Conversions

Conversions Part 2

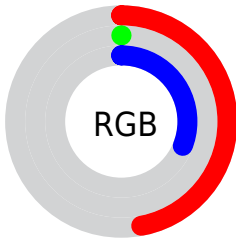
Format	Color
R_{YB}	119, 0, 78
Decimal	7798862
CIE _{Lab}	25.00, 50.28, -11.35
CIE _{LCh}	25, 51.542, 347.281
Yxy	4.4155, 0.4271, 0.2120
Android (android.graphics.Color)	4285988942 (0xFF77004E)
YUV	44.4730, 16.5288, 65.3602
Hunter-Lab	21.0130, 38.7822, -6.4941

Details

The CIELCh color **25, 51.542, 347.281** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **43, 57.048, 143.509**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 51.507, 347.316**, and **11, 32.499, 354.823** is the 20% darker color. If you saturate the color by 10%, you get **25, 51.375, 347.330**, and if you desaturate by 10%, it is **26, 49.927, 345.453**.

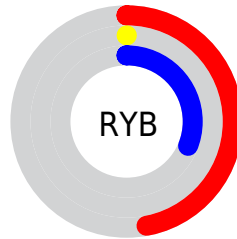
Distribution



Red (47%)

Green (0%)

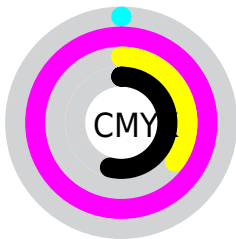
Blue (31%)



Red (47%)

Yellow (0%)

Blue (31%)

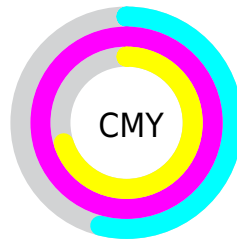


Cyan (0%)

Magenta (100%)

Yellow (35%)

Black (54%)



Cyan (54%)


Magenta (100%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 51.542, 347.281 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, 51.542, 347.281 by changing the saturation by 10% instead.

 25, 51.542,
347.281


 25, 51.542,
347.281

 100, 51.542,
347.281


 15, 51.542,
347.281


 45, 51.542,
347.281


 5, 51.542, 347.281

 55, 51.542,
347.281

 0, 51.542, 347.281

 65, 51.542,
347.281

 75, 51.542,
347.281

 85, 51.542,
347.281

 95, 51.542,

347.281

■ 25, 51.542,
347.281

■ 25, 51.542,
347.281

■ 25, 51.375,
347.330

■ 26, 49.927,
345.453

■ 27, 47.615,
343.771

■ 29, 43.902,
342.372

■ 31, 39.015,
341.181

■ 34, 33.255,
340.138

■ 37, 26.920,
339.206

■ 40, 20.262,
338.356

■ 43, 13.475,
337.568

■ 46, 6.693, 336.824

Harmonies

Complementary

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



25, 51.542, 347.281



43, 57.048, 143.509

Rectangle

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



25, 51.542, 347.281



25, 51.542, 37.281



25, 51.542, 167.281



25, 51.542, 217.281

Sweetspot

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



25, 51.375, 347.330



51, 24.974, 338.416



14, 72.929, 309.170



24, 16.927, 338.689



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, 51.375, 347.330



33, 61.524, 347.967



23, 52.810, 29.582



23, 3.732, 336.752



26, 52.540, 347.417



55, 88.151, 348.880

Inverse Universe

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



25, 51.375, 347.330



33, 61.524, 347.967



44, 33.570, 175.059



23, 3.732, 336.752



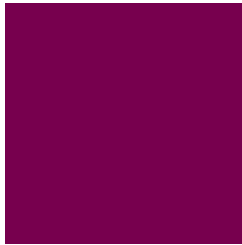
26, 52.540, 347.417



55, 88.151, 348.880

Previews

White Background



This preview shows how the CIE LCh color 25, 51.542, 347.281 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, 51.542, 347.281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

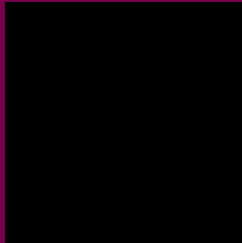
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 51.542, 347.281

Background



This preview shows how black text looks on a background with the CIELCh color 25, 51.542, 347.281.



This preview shows how white text looks on a background with the CIELCh color 25, 51.542, 347.281.

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, 51.542, 347.281

Protanopia

27, 32.080, 285.328

Deuteranopia

27, 6.676, 302.549



Tritanopia
26, 42.578, 29.614

Trichromacy



Original Color
25, 51.542, 347.281

Protanomaly
22, 40.756, 311.934

Deuteranomaly
23, 29.006, 334.684

Tritanomaly
25, 43.347, 11.327

Monochromacy



Original Color
25, 51.542, 347.281

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 25.962, 340.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 51.542, 347.281 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(119, 0, 78)` looks like.

```
.text, #text, p{  
    color:rgb(119, 0, 78)  
}
```

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(119, 0, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 51.542, 347.281 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(119, 0, 78) }
```

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

```
.border{ border-color:rgb(119, 0, 78) }
```

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

Here you see how a box with a 4 pixel rgb(119, 0, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(119, 0, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 51.542, 347.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 0, 78) }
```

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

```
.background{ background-color: rgb(119, 0,  
78) }
```

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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