

Converting Colors

CIELCh(25, 50.334, 351.670)

Have a look what the booklet for
CIELCh(25, 50.334, 351.670)
contains.

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Color

CIELCh(25, 50.387, 351.644)

Conversions

Conversions Part 1

Format	Color
Hex	780048
RGB	120, 0, 72
RGB Percent	47%, 0%, 28%
CMY	0.5309, 1.0000, 0.7189
CMYK	0.00, 1.00, 0.40, 0.53
HSL	324°, 100%, 23%
HSV	324°, 100%, 47%
XYZ	8.8445, 4.4155, 6.4618
YIQ	44.0880, 48.4080, 47.8320

Conversions

Conversions Part 2

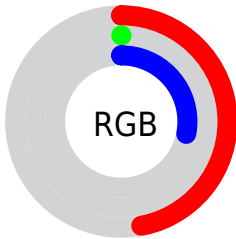
Format	Color
R_{YB}	120, 0, 72
Decimal	7864392
CIE _{Lab}	25.00, 49.85, -7.32
CIE _{LCh}	25, 50.387, 351.644
Yxy	4.4155, 0.4485, 0.2239
Android (android.graphics.Color)	4286054472 (0xFF780048)
YUV	44.0880, 13.7606, 66.5748
Hunter-Lab	21.0130, 38.3585, -3.5234

Details

The CIELCh color **25, 50.387, 351.644** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **44, 54.844, 145.594**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 50.162, 351.807**, and **11, 32.141, 1.758** is the 20% darker color. If you saturate the color by 10%, you get **25, 50.256, 351.695**, and if you desaturate by 10%, it is **26, 48.792, 349.361**.

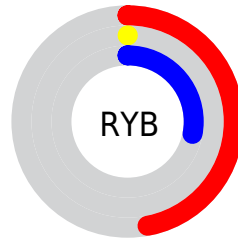
Distribution



Red (47%)

Green (0%)

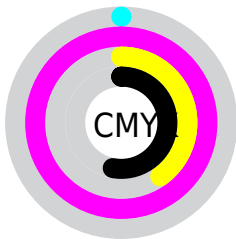
Blue (28%)



Red (47%)

Yellow (0%)

Blue (28%)

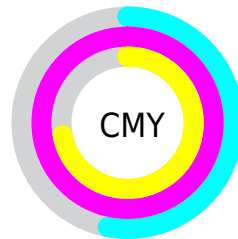


Cyan (0%)

Magenta (100%)

Yellow (40%)

Black (53%)



Cyan (53%)


Magenta (100%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 50.387, 351.644 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, 50.387, 351.644 by changing the saturation by 10% instead.

 25, 50.387,
351.644

 25, 50.387,
351.644

 100, 50.387,
351.644

 15, 50.387,
351.644

 45, 50.387,
351.644

 5, 50.387, 351.644

 55, 50.387,
351.644

 0, 50.387, 351.644

 65, 50.387,
351.644

 75, 50.387,
351.644

 85, 50.387,
351.644

 95, 50.387,

351.644

■ 25, 50.387,
351.644

■ 25, 50.387,
351.644

■ 25, 50.256,
351.695

■ 26, 48.792,
349.361

■ 27, 46.492,
347.292

■ 29, 42.827,
345.604

■ 31, 38.018,
344.198

■ 34, 32.367,
342.997

■ 37, 26.169,
341.946

■ 40, 19.673,
341.006

■ 43, 13.068,
340.149

■ 47, 6.484, 339.350

Harmonies

Complementary

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



25, 50.387, 351.644



44, 54.844, 145.594

Rectangle

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



25, 50.387, 351.644



25, 50.387, 41.644



25, 50.387, 171.644



25, 50.387, 221.644

Sweetspot

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



25, 50.256, 351.695



52, 24.395, 341.072



15, 72.483, 310.275



25, 16.770, 341.385



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



25, 50.256, 351.695



34, 60.534, 352.511



24, 55.278, 33.658



23, 3.588, 339.273



26, 51.070, 351.773



55, 85.757, 353.612

Inverse Universe

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



25, 50.256, 351.695



34, 60.534, 352.511



45, 31.322, 182.747



23, 3.588, 339.273



26, 51.070, 351.773



55, 85.757, 353.612

Previews

White Background



This preview shows how the CIELCh color 25, 50.387, 351.644 looks on a white background.

Color Contrast Check

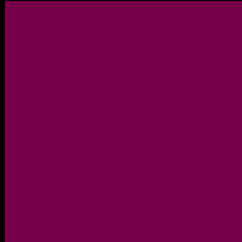
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.387, 351.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

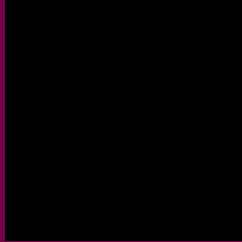
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 50.387, 351.644

Background



This preview shows how black text looks on a background with the CIELCh color 25, 50.387, 351.644.



This preview shows how white text looks on a background with the CIELCh color 25, 50.387, 351.644.

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, 50.387, 351.644

Protanopia
27, 26.881, 285.056

Deuteranopia
27, 4.539, 334.293



Tritanopia
26, 44.623, 30.569

Trichromacy



Original Color
25, 50.387, 351.644

Protanomaly
22, 36.862, 316.109

Deuteranomaly
23, 27.407, 343.083

Tritanomaly
25, 44.510, 14.523

Monochromacy



Original Color
25, 50.387, 351.644

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 25.238, 343.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 50.387, 351.644 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(120, 0, 72)` looks like.

```
.text, #text, p{  
    color:rgb(120, 0, 72)  
}
```

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(120, 0, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 50.387, 351.644 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(120, 0, 72) }
```

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

```
.border{ border-color:rgb(120, 0, 72) }
```

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

Here you see how a box with a 4 pixel rgb(120, 0, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(120, 0, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 50.387, 351.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 72) }
```

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

```
.background{ background-color: rgb(120, 0,  
72) }
```

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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